



THE PERFECT
CHEMISTRY
FOR YOUR
CONSTRUCTIONS

PRODUCT
GUIDE



CONSTRUCTION CHEMICAL | PAINTS | WATER PROOFING

COMPLETE RANGE WITH INTERNATIONAL QUALITY

Water Proofing | Cement Aids & Admixtures | Tile & Stone Adhesive | Grouts & Sealents
Cleaning Product | Special product | Paver Product | Paints | Industrial Product | Accessories



WELCOME TO
SEMITRONE
CONCHEM
LTD.





About us...

Established in 1992, Semitrone Conchem Ltd. is a technology-driven company that has been a pioneer in the field of manufacturing and marketing construction chemicals, paints, waterproofing materials.

Since its establishment, the company has gained vast experience and expertise in leveraging advanced technology to develop innovative formulations. Equipped with a fully automated manufacturing plant and best in class R&D, the company has been certified with ISO 9001:2015 Certification, awarded with Green Membership, recognised as Best Service Provider, and known for its pioneering products - smoothest epoxy grout and Mono G. M. A. Controlled and managed by extremely experienced and skilled professionals, the manufacturing and production processes adhere to the strictest standards of quality norms.

The construction in India is rapidly developing and progressing and to address the growing demands, the company ensures that it stays in touch with the latest technological advancements and developments. Being tuned to the rapidly changing emerging technologies, the company has been able to maintain its global reputation and standards requirements as per standards IS: 2645-2003 and IS: 9103-2000

Vision...

To be one of the leading companies supplying quality and innovative products to the construction industry.

Mission...

To constantly update and upgrade ourselves, so that we are able to provide unique and international quality products to the construction industry. Our constant endeavor is to satisfy our customers with prompt service, quality products and innovations.



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The background features a blue geometric pattern of triangles. A large white circle is positioned on the left side, partially overlapping the text. The text 'WATER PROOFING' is centered in the middle of the image.

WATER PROOFING

MAX 1001 LWP+

Integral Type Waterproofing Liquid

MAX 1001 LWP+ is specially formulated integral liquid waterproofing compound composed of surface active plasticizing agents, polymers & additives. It is used as an additive for cement concrete, mortar & plasters. It makes concrete cohesive and prevents segregation MAX 1001 LWP+

It complies to **IS: 2645-2003** and **IS: 9103-2000**



APPLICATIONS:

Waterproofing of concrete and sand - cement mortars used in

- Roof slabs and screeds
- Sumps and drains
- Basements
- Water tanks & water retaining structures
- External plastering
- Bathrooms and balconies

ADVANTAGES:

Corrosion resistant: Makes concrete more cohesive, hence protects steel better against corrosion

Compatibility: Being a liquid, easily dispersible & compatible with concrete / mortar mixes.

Permeability: It reduces the permeability of water into concrete.

Strength: The setting time and compressive strength of the concrete remains within the specification limits.

Shrinkage: Reduces shrinkage crack development in plaster & concrete.

Workability: Improves workability of freshly mixed cement concrete.

Durability: Increases durability by improving waterproofing of concrete.

DOSAGE : 200 ml per 50kg bag of cement.

PACKING : 200 ml, 1 ltr, 5 ltr, 20 ltr , 50 ltr & 200 ltr

SHELF LIFE : 1 Year

MAX 3001 SBR LATEX

MAX 3001 SBR LATEX is based on modified styrene butadiene rubber latex, supplied as a ready to use bonding agent in liquid consistency. It is used for repair of spalled concrete – floors, columns, beams, chhajja's, slabs & also for waterproofing of toilets & bathrooms, small terraces etc. as it bonds strongly to old & new concrete and also plasters. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance.

It complies to **BS 6319 part 2:1983 & ASTM C 190-85** standards.



AREA OF APPLICATIONS :

For concrete repairs: Spalled concrete of floors, columns, beams, chhajja, slabs, parapets, etc.

For waterproofing: Small roof terraces, sunken portions of toilets & bathrooms, chhajja, lift pits & balconies

As a bond coat: For bonding of new concrete to old concrete, masonry stone work, plastering

For cladding: Fixing or re-fixing of slip bricks, tiles, stones & marble bedding

As external rendering: Weatherproof & frost resistant render

As bonding slurry coat: For pinhole treatment on concrete surface

ADVANTAGES:

Multipurpose: It is multipurpose & economical product, easy to use,

Cracking: It prevents cracking by improving flexural strength, **Hardness :**

Improves the hardness &

prevents dust generation, **Shrinkage:** Reduces drying & aging shrinkage cracks, **Bonding:** Bond strongly to concrete, masonry, stonework, plasters, cementitious surfaces, asphalt & most of the building materials, **Erosion & corrosion:** Improves erosion resistance & prevents corrosion, **Abrasion resistance:** Improves abrasion resistance of the cement mix, **Grouting:** Reduces viscosity of cement injection grout for better fluidity & bonding.

DOSAGE: **1.** As a waterproofing coating Max 3001 SBR Latex: Cement: water in the ratio 1:5:2 by volume. **2.** As a bonding primer coat : MAX 3001 SBR Latex: Cement in the ratio 1:1 by volume **3.** As a modified mortar :10-15% of MAX 3001 SBR Latex by weight of cement.

PACKING: 200 gm, 500 gm, 1 kg, 5 kg, 10 kg, 20 kg, 50 kg & 200 kg

SHELF LIFE : 1 Year

MAX 3002 SUPER LATEX

MAX 3002 Super Latex is based on modified styrene butadiene latex and acrylic latex used for high performance applications in waterproofing and repairs. It is used for repairs of spalled concrete such as – floors, columns, beams, chhajjas, slabs & waterproofing of toilets, bathrooms & terraces. It bonds strongly to old & new concrete or plaster.



AREA OF APPLICATION :

As bond coating: Plaster to plaster, concrete to concrete, plaster over brick masonry

As waterproof repair plaster

As crack repair : Plaster cracks more than 5 mm, In gaps developed between masonry and RCC members.

As coating for prevention of corrosion in rebars.

For cladding: Fixing or refixing of slip bricks, tiles, stones & marble bedding.

ADVANTAGES:

A tough, hard wearing, breathable waterproofing system for residential, industrial, housing and commercial buildings. Can be applied in uniform thickness to horizontal and vertical surfaces. Excellent bond to most building materials. Reduces or prevents salt penetration into concrete. Highly

durable, Economical system, Is non-flammable and does not give off toxic gases, when exposed to fire.

TECHNICAL INFORMATION:

Application Composition:

Nature Milky White, free flowing liquid
Type: Styrene Butadiene Rubber & Acrylic Latex

pH Value: 7-9

Total solids % by mass @ 105°C: 42

COVERAGE:

- As a waterproofing coat - 25 – 30 Sq. Ft. / Kg in 2 coats
- As a mortar modifier – 6-7.5 kg of Max 3002 Super Latex per 50 kg of cement
- As a bonding agent – 45 to 50 Sq. Ft. / Kg. / coat

PACKING : 200 gm, 500 gm, 1 kg, 5 kg, 10 kg, 20 kg, 50 kg & 200 kg

SHELF LIFE : 1 Year

MAX 3003 ACRYLIC LATEX

MAX 3003 ACRYLIC LATEX is composed of acrylic co-polymer emulsions additives. It is used as bonding agent for new to old substrates & cement mortar modifier because it provides strong bonds to old & new concrete, Improves tensile & flexural strength of concrete and increase the durability of the structure. When mixed with cement, it forms a matrix & provides excellent waterproofing coating.

AREA OF APPLICATION : Waterproofing of small terraces, masonry surfaces, sunken slabs, water tanks, chhajjas, swimming pool etc. As a bonding aid for old and new concrete/mortar. Useful as an additive for making repair mortar, concrete.



ADVANTAGES:

A tough, hard wearing, breathable waterproofing system for residential, industrial, housing and commercial buildings.

Can be applied in uniform thickness to horizontal and vertical surfaces.

Excellent bond to most building materials.

Reduces or prevents salt penetration into concrete.

Highly durable & Economical system.

Is non-flammable and does not give off toxic gases, when exposed to fire.

TECHNICAL INFORMATION :

Colour:	White liquid
Base:	Acrylic polymer
Shear Adhesion:	15.80 N/mm ²
Tensile Adhesion:	1750 N/mm ²

Bond Strength:	14.80 N/mm ²
Compressive Strength:	33.45 N/mm ²
pH value:	7-9

COVERAGE :

As a waterproofing coating :	25 to 30 Sq.Ft./kg./Coats
As a mortar modifier:	6 to 7.5 kg of MAX 3003 ACRYLIC LATEX per 50 kg of cement
As a bonding agent:	45 to 50 Sq.Ft./Kg./coat

PACKING :

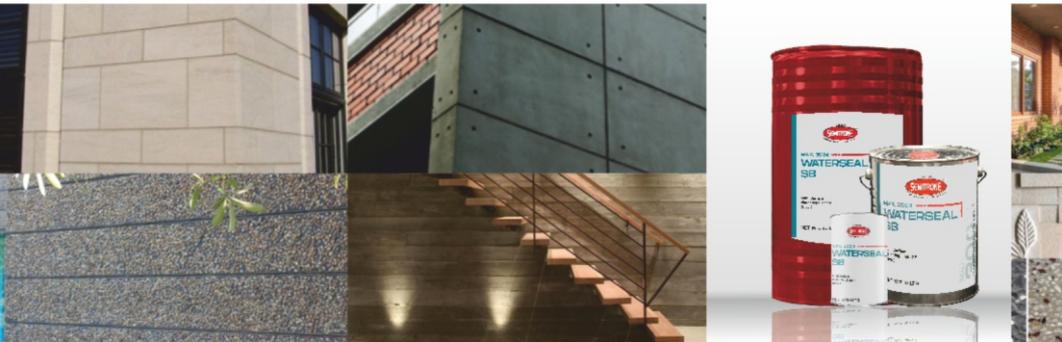
200 gm, 500 gm, 1 kg, 5 kg, 10 kg, 20 kg, 50 kg & 200 kg

SHELF LIFE : 1 Year

MAX 3004 WATERSEAL (S/B)

Multi Surface Water Repellent

MAX 3004 WATER SEAL SB is composed of Siloxane & Silane polymers dispersed in high boiling point solvent. It is used for waterproofing of concrete & cementitious vertical walls of building because it penetrates deeply into the substrate & provides an effective water repellent protective coating. It does not change the appearance of the substrate & the water repellent coating is UV resistant and durable. MAX 3004 WATER SEAL SB is easy to apply, beading effect to evacuate water as quickly as possible and outstanding resistance to environmental effects.



AREA OF APPLICATION :

- Cement Painted Surfaces
- Exposed Concrete Work
- Exposed Brick Work
- Exposed Stone Work
- Exposed Grit Wash Plaster
- Natural Stones
- Mangalore Tiles Roofs
- Corrugated AC Sheets

TECHNICAL SPECIFICATIONS :

Nature :	Single component
Color :	Clear colorless solution
Specific gravity at 30°C :	0.85±0.02
Drying Time:	3-4 hours
Water Repellency :	Excellent
UV resistant & weather durability :	excellent

ADVANTAGES:

- Retains the substrate's original appearance.
- Allows the surface to breathe.
- Increase life expectancy of the building.
- Prevents moss growth (green discoloration)
- Less sensitivity to freeze thaw cycles.
- Due to low viscosity penetration is high, which provides the hydrophobic zone.

COVERAGE :

Wet on wet 35 to 80 Sq. Ft./Ltr. /Coat depending on porosity of the surface

PACKING : 1 ltr, 5 ltr & 25 ltr

SHELF LIFE : 2 Year

MAX 3006 SBR (Z⁺)

MAX 3006 SBR (-Z+) based on modified styrene butadiene rubber latex supplied as a ready to use bonding agent in liquid consistency. It is used for repair of spalled concrete – floors, columns, beams, chhajja's, slabs & waterproofing of toilets & bathrooms, small terraces etc. as it bonds strongly to old & new concrete and to plasters. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance.

Meets the requirements of **BS 6319 part 2:1983 & ASTM C 190-85 standards.**



AREA OF APPLICATIONS:

For concrete repairs - Spalled concrete of floors, columns, beams, chhajja, slabs, parapets, etc.

For waterproofing – Small roof terraces, sunken portions of toilets & bathrooms, chhajja lift pits & balconies

As a bond coat – For bonding of new concrete to old concrete, masonry stone work, plastering

For cladding – Fixing or re-fixing of slip bricks, tiles, stones & marble bedding

As external rendering – Weatherproof & frost resistant render

As bonding slurry coat – for pinhole treatment on concrete surface

ADVANTAGES:

Multipurpose – It is multipurpose & economical product, easy to use,
Cracking – It prevents cracking by improving flexural strength,

Hardness – Improves the hardness & prevents dust generation, **Shrinkage** – Reduces drying & aging shrinkage cracks, **Bonding** – Bond strongly to concrete, masonry, stonework, plasters, cementitious surfaces, asphalt & most of the building materials, **Erosion & corrosion** – Improves erosion resistance & prevents corrosion, **Abrasion resistance** – Improves abrasion resistance of the cement mix, **Grouting** – Reduces viscosity of cement injection grout for better fluidity & bonding.

DOSAGE: **1.** As a waterproofing coating MAX 3006 SBR (Z+): Cement: water in the ratio 1:5:2 by volume. **2.** As a bonding primer coat : MAX 3006 SBR (Z+): Cement in the ratio 1:1 by volume **3.** As a modified mortar :10-15% of MAX 3006 SBR (Z+) by weight of cement.

PACKING: 200 gm, 500 gm, 1 kg, 5 kg, 10 kg, 20 kg & 50kg

SHELF LIFE : 1 Year

MAX 3007 INSTANT PLUG

Fast Set Cementitious Plug

MAX 3007 INSTANT PLUG is an instant leak plugging compound. It is ideal for instantaneous sealing of leaks and plugging wet cracks in concrete and masonry surfaces. It is specially formulated to stop the flow of running water. It is used as a plugging mortar for fixing nozzle / grouting ports during grouting operation, for arresting instant water seepages during water proofing of water tanks, basements and sunken pits etc.



AREA OF APPLICATION :

Basements, pits, dams, tunnels (ducts), concrete pipe, water retaining structures and RCC water tanks, Masonry, Stone

HOW TO USE :

1. SURFACE PREPARATION:

Clean the surface by wire brush to remove loose particles & moss. Open the crack by chisel or scrapper to make 'V' shape groove, clean the dust with water.

2. APPLICATION:

Identify the exact source of leakage and close with finger or hand. Take a handful of MAX 3007 INSTANT PLUG hold it against the source of leakage. By removing finger slowly from the source. The powder will get wet due to water coming out and will harden within 3 minutes. Hold for a few more seconds for best results.

PRECAUTION & LIMITATIONS:

MAX 3007 INSTANT PLUG will plug leakages only on cementitious substrates. Only used for plugging leakage instantly, till permanent repairs are carried out. Permanent repairs must be carried out using appropriate products of SEMITRONE product range.

TECHNICAL SPECIFICATION:

Apperance:	Free Flowing Powder
Colour:	Grey
Compressive Strength (N/mm ²)	
As per BS:	6319, After 2 hrs : 3 – 4,
After 6 hrs:	4 – 5, After 24 hrs : 6 – 7,
After 3 days :	15 – 16, After 7 days : 18 – 20,
After 28 days :	27 – 30

COVERAGE: Fresh mix density 1.8 kg/ltr

PACKING : 1 kg & 25 kg

SHELF LIFE : 1 Year

MAX 3008 Acrylic Latex (Z+)

MAX 3008 Acrylic Latex (Z+) is composed of acrylic co-polymer emulsions & additives. It is used as bonding agent for new to old substrates & cement mortar modifier because it provides strong bonds to old & new concrete, Improves tensile & flexural strength of concrete and increase the durability of the structure. When mixed with cement, it forms a matrix & provides excellent waterproofing coating.

AREA OF APPLICATION : Waterproofing of small terraces, masonry surfaces, sunken slabs, water tanks, chhajjas, swimming pool etc. As a bonding aid for old and new concrete/mortar. Useful as an additive for making repair mortar, concrete.



ADVANTAGES:

A tough, hard wearing, breathable waterproofing system for residential, industrial, housing and commercial buildings.

Can be applied in uniform thickness to horizontal and vertical surfaces.

Excellent bond to most building materials.

Reduces or prevents salt penetration into concrete.

Highly durable & Economical system.

Is non-flammable and does not give off toxic gases, when exposed to fire.

TECHNICAL INFORMATION :

Colour:	White liquid
Base:	Acrylic polymer
Shear Adhesion:	15.80 N/mm ²
Tensile Adhesion:	1750 N/mm ²

Bond Strength:	14.80 N/mm ²
Compressive Strength:	33.45 N/mm ²
pH value :	7-9

COVERAGE :

As a waterproofing coating – 25 to 30 Sq. Ft./kg. /Coats

As a mortar modifier – 6 to 7.5 kg of MAX 3003 ACRYLIC LATEX per 50 kg of cement
As a bonding agent – 45 to 50 Sq. Ft. / Kg. / coat

PACKING :

200 gm, 500 gm, 1 kg, 5 kg, 10 kg, 20 kg, 50 kg & 200 kg

SHELF LIFE : 1 Year

MAX 3009 WATERSHIELD NP

Protects against Water & Oil, Non Film-Forming, Odourless & Clear, UV Resistant

MAX 3009 WATER SHIELD NP is the leading product for all-round protection for allporous building materials. This one product delivers water and oil Repellent protection and anti-graffiti protection for porous building materials. It helps tackle the deterioration caused by atmospheric Pollution, grease-type staining, penetration of liquids and graffiti. A surface treated with MAX 3009 WATER SHIELD NP will benefit from an increased life-span and will be easier to maintain.



USES:

MAX 3009 WATER SHIELD NP may be used indoors or outside on walls, floors and roofing. It is designed to protect all porous building materials such as natural and synthetic stone, concrete, terracotta, cement, self-locking paving...

FEATURES & BENEFITES:

- Effective for more than 10 years demonstrated by the CEBTP (Experimental Centre for Research and Study in Construction and Public Works).
- Protects against water, oily liquids and staining.
- Limits efflorescence formation.
- Anti-staining, anti-dirt.
- Prevents chewing-gum from sticking, limits dirt due to pollution from building up again. Limits moss and lichen growth.
- Makes cleaning easier, Very good anti-

graffiti properties, Prevents deterioration resulting from freeze thaw cycle, Non film-forming, lets the surface breathe, UV-resistant, does not discolour, Invisible once dry, Ready to use, easy to use.

TECHNICAL INFORMATION :

Physical state at 20 °C:	Liquid
Appearance:	Uncoloured
Odour:	None
pH:	5.5 ± 0.5
Boiling point [°C]:	100 °C
Density:	1.0 ± 0.01
Solubility in water [vol/vol]:	Total
Flash point [°C]:	Not applicable

PACKING : 1 ltr, 5ltr, 10 ltr & 20 ltr

SHELF LIFE : 1 Year

MAX 3010 TERRA SEAL (S/B)

Transparent Waterproofing for China Mosaic

MAX 3010 TERRA SEAL (S/B) is transparent acrylic UV TPR that provides resistance to weathering, foot traffic and offers UV and weathering properties. Typical applications include a clear acrylic UV TPR for china mosaic tiles and glass mosaic tiles. MAX 3010 TERRA SEAL (S/B) forms a seamless membrane without joints or leak possibilities and gets mechanically damage it can be easily repaired locally within minutes. It is non-yellowing and offers full surface adherence.

AREA OF APPLICATION :

For waterproofing of China mosaic, Glass mosaic, Stone mosaic, Cobalt Stone



METHOD OF APPLICATION :

Surface Preparation: Ensure that the surface to be painted is free from DAMPNESS, rust, grease, oil & loose material before application of Max 3010 Terra seal SB.

Application: After proper surface preparation or cleaning, apply first coat of Max 3010 Terra seal SB UV TPR coating by brush or roller depending in 30 to 40 micron thickness on the surface of application without any dilution. Allow drying for 5 to 6 hours and then apply 2nd coat in perpendicular direction of first coat and leave it for 24 hrs to hard dry.

FEATURES & BENEFITS :

- Excellent adhesion to glazed, ceramic
- surfaces and china mosaic
- Crack bridging ability

- Good abrasion resistance and resistance to weathering and UV
- Provides glossy finish to china mosaic
- Clear Transparent coating
- Easy to apply
- Resistance to foot traffic
- Offers waterproofing properties

TECHNICAL SPECIFICATIONS :

- Chemical base : Specially engineered Acrylic UV TPR Polymer
- Appearance : Clear transparent liquid
- Density : 1.25
- Viscosity: 130
- UV Stable : Yes

COVERAGE : 40 to 50 Sq. Ft./Kg. /Coat

PACKING : 1 ltr, 5 ltr & 25 ltr

SHELF LIFE : 1 Year

MAX 3013 SEM FLEX - WP

Water based Modified PU Liquid Membrane

MAX 3013 SEMFLEX WP is composed of a high-quality PU-Acrylic emulsion polymer, light fast & weather durable pigments, properly selected & graded fine fillers, many additives & water as medium. It is used as a waterproofing & protective coating for roof of the building because it forms higher film thickness, has excellent flexibility, mechanical stability, breathing properties, water resistance, crack bridging ability, weathering durability and an excellent surface heat rejection & surface resistance to the growth of micro-organism.



AREA OF APPLICATION :

Building Roofs / Terraces, Suitable for both flat and sloping roofs, Metal Roof, Over existing cementitious waterproofing treatment like brickbat-coba, concrete screeds, acrylic coatings etc...

FEATURES & BENEFITES:

In-built mechanical Strength, PU based Flexibility, Toughness, Elasticity, Heat Reflection, Microbial resistance, UV resistant, Dirt pick-up resistant, Breath ability, Low Toxicity, Applicable on asbestos sheets.

TECHNICAL INFORMATION:

Nature: Single component
 Appearance: White Emulsion paint
 Specific gravity: 1.30
 Elongation - % (ASTM D 412): > 150
 250-micron DFT
 Water permeability - % (BS EN 12390):

Reduction in water penetration @ 5 bar, 8mm

Rapid chloride penetration (ASTM C1202-97): Very Low
 Water Vapor Transmission (ASTM E96:2002): 15 g/m²/day
 Algae and Fungal Resistant (SS 3451998): No growth
 Accelerated weathering (ASTM D4587)1000-hr exposure: No defects
 Tensile strength (ASTM D415-02): > 1.5 N/mm²
 Crack bridging ability (EN 1062 part 7): upto 3 mm width
 Pull off Adhesion strength: 1.1 N/mm²
 Coating thickness 2 coats DFT microns: 120
COVERAGE: 3 to 3.5 m²/litre for 2 coats.
PACKING: 20 kg
SHELF LIFE: 1 Year

MAX 3014 WHITE SEAL

High Flex White Elastomeric Poly Acrylic Waterproofing Membrane.

MAX 3014 WHITE SEAL is highly modified fibre reinforced Elastomeric, Breathable, Anti – Carbonation, Heat Reflective having a good water repellent coating supplied as a ready to use waterproofing membrane. It is composed of high quality polymers, properly selected & graded fillers, additives & poly acrylic bonding. After curing, it forms a thick, seamless, durable membrane thus offering ultimate waterproofing.



AREA OF APPLICATION :

Water retaining structures, Retaining walls, Basements, Sunken portions, Bathrooms, Terraces etc.

FEATURES & BENEFITES:

- Waterproofing protection of up to 7 bars hydrostatic pressure.
- Unmatched crack bridging ability due to elastomeric properties.
- Reinforced with polyester fibres for superior abrasion resistance.
- High sheen, brilliant white colour and thick coat results in high levels of heat reflectance.
- Reduces carbon dioxide & chloride ion diffusion thus protecting re-bars against corrosion.
- Single pack, easy to apply.

TECHNICAL INFORMATION:

Appearance:	Viscous Liquid
Colour:	White
Specific Gravity:	1.20 - 1.50
Water Pressure Head:	7
Alkali resistance:	8
Solids by wt., % :	62.0 – 64.0
Tensile strength:	3.5 MPa
Elongation:	150%
Adhesion to dry concrete:	5.47 MPa
Anti-Carbonation,	
R Value (@ 207 DFT):	275
Film Surface: Non tacky, Water Repellent	
Coating Thickness 2 Coats DFT Microns:	110

COVERAGE: 30-40 Sq. Ft. / Kg / Coat

PACKING: 25 kg

SHELF LIFE : 1 Year

MAX 3015 BLACK SEAL

Liquid Rubber Coating

MAX 3015 BLACK SEAL is highly modified elastomeric rubber coating supplied as a ready to use waterproofing agent in semi liquid consistency. It is composed of high quality polymers, properly selected & graded fillers, additives & water as a medium. It is used for waterproofing of water retaining structures, retaining walls, basements, sunken portions & bathrooms, terraces, balcony, podium, planter, terrace garden, foundation etc.

MAX 3015 BLACK SEAL is a highly flexible, high performance liquid rubber coating for waterproofing and crack prevention.



METHOD OF APPLICATION :

Surface Preparation: Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. De-grease the surface by using suitable solvents.

Repair the spoiled concrete portion by saw, cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid feather edging & to provide strong bond

Clean the concrete surface to remove any contamination where breaking is not possible. Roughen the surface by light scrubbing or grit blasting

Surface Coating: Brush applies 2 coats of the MAX 3015 Black Seal elastomeric coatings cross direction in a time span of 4-6 hours on the prepared substrate. MAX 3015 Black Seal Overlay the coating with a protective screed to the desired slope & thickness.

TECHNICAL SPECIFICATIONS :

Product Composition: Nature Blueish black,
 After it dry convert in dark black film
 Type: Highly modified elastomeric rubber
 Solid Content: 56±1%
 pH: Value 7-9
 Sp. Gravity: 1.30
 Elongation: 300%
 Tensile strength: 1.5MPa
 Water Pressure Head: 5
 Recovery: 80%
 Coating Thickness: 110 Micron DFT 2 Coat

COVERAGE : 40 Sq. Ft./Kg. /Coat depends on surface.

PACKING : 1 kg, 5 kg, 10 kg & 20 kg

SHELF LIFE : 1 Year

MAX 3019 AQUAPOXY

Non-Toxic Water Thinnable Epoxy

MAX 3019 Aquapoxy is a two component epoxy resin based waterproofing compound. One part consists of epoxy resin & the other part of curing agent. After mixing both the parts, it can be thinned down with water. It possesses all the attributes of normal solvent based epoxy compositions such as excellent water & chemical resistance, adhesion, hardness, toughness & mechanical strength. One of the major advantages of MAX 3019 Aquapoxy over solvent based epoxy is that it can be applied on damp surface also. Being free from solvents, it does not pose any health hazard to the applicator. MAX 3019 Aquapoxy is completely, consistent & economical to apply.



FEATURES & BENEFITES:

Water dilutable, Being water based, it penetrates in concrete/plaster surface and seals the porosity and network of fine cracks, Reduces water permeability, After curing it forms hard, tough and strong film, Bonds strongly on cement concrete/mortar, plaster, asbestos sheet etc. Excellent resistance to water, salt water, dilute acids, alkalis, soap water, and other chemicals, Excellent resistance to positive (hydrostatic) water pressure, Eco friendly & non-toxic in nature

APPLICATION:

- Coating on walls of Breweries, Food processing industries, Dairies, Fisheries, Sewerage treatment plants & Grain Silos.
- Cement-concrete O/H & U/G water storage tanks
- Damp walls (interior / exterior)

- As a primer before painting
- Toilet and kitchen walls.

TECHNICAL SPECIFICATION:

Pot life at 30°C :	1 to 1 ½ hrs
Drying time at 30°C :	5 to 6 hrs
Surface dry :	50 to 60 min
Hard dry :	16 to 18 hrs
Inter-coat period at 30°C :	16 to 18 hrs
Curing time at 30°C :	24 hrs
Adhesion Strength :	2.5 N/mm ²
	ASTM D 4541 : 02
Coverage :	70-80 sq.ft./kg/coat
Nature :	Two Components
Mixing Ratio:	Part A:Part B:Water (1:1:1 parts by weight)
Consistency after Mixing :	Free flowing smooth paste

PACKING : 1 kg (Resin+Hardener)

SHELF LIFE : 1 Year

MAX 3020 BOND PMC

Highly Polymer Modified 2K Acrylic Cementitious Coating.

MAX 3020 BOND PMC (2 PART) is a two component highly polymer modified acrylic cementitious coating. Which is create non porous film on the substrate. MAX 3020 BOND PMC - (2 PART) consisting of cements, finely graded aggregates and a proprietary blend of additives which offer enhanced adhesion and flexibility. It compiles to **ASTM C 109, C 348 and C 882.**

AREA OF APPLICATION:

Concrete, Mortar or Masonry substrates, Terrace, Bathroom Sunk, Balcony, Basement Retaining Wall, Over Head, Water Tank, Under Ground Water Tank, Canal Dam etc.



ADVANTAGES:

Provides a non-porous substrate, Breathable & Low odour, Enhances abrasion resistance, Provides a protective waterproof coating, Resist water pressure up to seven meter head, Can be applied directly to concrete and masonry with minimum surface preparation, Provides high resistance to carbon dioxide and chloride ion diffusion, Can inject in cracks with micro cement slurry

TECHNICAL SPECIFICATIONS :

Nature & Mixing ratio: 1 part polymer & 2 part powder
 Pot life of the mix @30°C : 40 minutes
 Elongation at break : 50% minimum
 Adhesion strength : 1.0 N/mm²
 Tensile Strength : 1.0 N/mm²

ASTM D 412:2016
 Water Vapour Transmission : 0.3 Perms
 ASTM E 96:2016
 Crack bridging : No cracking up to 1 mm
 EN 1062-7: 2004
 Water Permeability : Passes 5 bar positive water pressure
 EN 12390-8:2019
 Reduction in Rapid Chloride, % : 80
 ASTM C 1202:2019
 Food grade certification : Passes CFTRI certification

COVERAGE : 17.75 to 19.00 m²/ 2 coat
 (10 Ltr + 20 Kg pack)

PACKING : 10 Ltr + 5 Kg, 20 Ltr + 10 Kg

SHELF LIFE: 1 Year

MAX 3021 MULTIPURPOSE PRIMER

Acrylic based Multipurpose Primer

MAX 3021 MULTIPURPOSE PRIMER is a high performance acrylic waterproofing primer with excellent bonding with various substrates. It can be applied on gypsum board, cementitious board and new & old concrete. It yields into overall strength of waterproofing system.



AREA OF APPLICATION:

- MAX 3021 MULTIPURPOSE PRIMER is to be applied on smooth surface like cast concrete, moisture resistant grade plaster board & fibre cement board prior to application of cementitious & acrylic waterproofing membranes.
- It can be used for both internal & external applications.

FEATURES & BENEFITES:

- Increases adhesion between substrate and subsequent waterproofing system
- Provides high durability adhesion to waterproofing coating even if in continuous contact with water.
- Can easily be brush applied.
- Non toxic.

TECHNICAL INFORMATION:

Colour:	Milky White Liquid
Percentage solids:	32 +/- 1%
pH:	9.5 +/- 0.5
Recommended DFT:	30-40 microns
Drying time:	a. Surface dry: 30 min b. Hard dry: 4 hours

COVERAGE:

25 - 30 sq. ft. per kg. Consumption may vary depending on surface condition.

PACKING : 10 ltr & 20 ltr

SHELF LIFE: 1 Year

MAX 3030 MAX CRYSTAL

Crystalline Waterproofing Coating

MAX 3030 CRYSTAL is a surface-applied, integral crystalline waterproofing material, which waterproofs and protects concrete in-depth. It Consists of Portland cement, specially treated Quartz sand and a compound of active chemicals. MAX 3030 CRYSTAL needs only to be mixed with water prior to application. When MAX 3030 CRYSTAL is applied to a concrete surface, the active chemicals react with moisture and the by-products of cement hydration to cause a catalytic reaction that generates an insoluble, crystalline structure. These crystals fill the pores and minor shrinkage cracks in the concrete to prevent any further water ingress (even under pressure).



AREA OF APPLICATION :

Sewage & water treatment plants, Tunnel, Dams, Precast structures, Reservoirs, Underground structures, Precast components, Foundations, Swimming pools, Basement retaining walls, Parking structures, Bridges & roads

TECHNICAL SPECIFICATIONS :

Colour & Physical state : Grey / Powder
 Specific gravity @ 25°C : 1.3 gm/cc
 Solubility : Partially soluble
 pH when mix with water : 11 ± 1
 Water Pressure Head : Up to 60-70m
 Particle Size : 40-150microns

FEATURES & BENEFITES :

An integral waterproofing system that is a permanent solution. It can be used for

positive & negative waterproofing of a structure. It gives concrete crack sealing characteristics, it can seal hairline crack up to 0.4 mm wide.

COVERAGE & DOSAGE:

Vertical Surface : Add 2 part of water & 5 part of MAX Crystal. 0.7-0.8 kg/m²/coat

Horizontal Surface: Add 1 part of water & 3 part of MAX Crystal. 1.1 kg/m²/coat

Dry Powder Application: The specified amount of MAX Crystal is distributed in powder form through a sieve or a semi-mechanical barrow spreader and trowelled into the freshly placed concrete once this has reached initial set.

1.25 kg/m²/coat

PACKING : 25 kg

SHELF LIFE: 1 Year

MAX 3031 CRYSTALLINE INTEGRAL

Crystalline Waterproofing

MAX 3031 CRYSTALLINE INTEGRAL Admix is an integral crystalline waterproofing admixture added to the concrete mix at the time of batching. These active chemicals react with the moisture in fresh concrete with the by-products of cement hydration to cause a catalytic reaction, which generates a non-soluble crystalline formation throughout the pores and capillary tracts of the concrete. Thus the concrete becomes permanently sealed against the penetration of water or liquids from any direction. The concrete is also protected from deterioration due to harsh environmental conditions. The admixture also has the ability to self-seal minor cracks & withstand high level hydrostatic water pressure.



STANDARD COMPLIANCE / SPECIFICATION:

ASTM C-39 / C-494, ASTM C-267-77 (Chemical Resistance), ASTM C-1202 – 2007, ASTM C-231 (Air Content), ASTM C – 341 (Length change) Shrinkage, BSEN 12390 - Part 8:2000

FEATURES & BENEFITES:

- Resists extreme hydrostatic pressure from either positive/negative surface of the concrete slab
- Becomes an integral part of the concrete
- Can seal hairline cracks up to 0.4 mm
- Non-toxic
- Can be added to concrete at time of batching or just before the pour, and therefore is not subject to climatic restraints
- Freeze Thaw Resistance.

TECHNICAL INFORMATION:

Colour:	Cementitious grey
Supply form:	Powder
Bulk density:	1400 Kg/Cum
Specific gravity @ 25°C:	1.4 gm/cc
Water Pressure Head:	Up to 60 - 70m
Particle Size:	40-150 microns
Solubility:	Partially soluble
Resistance to chemicals:	Excellent
Compatible with all types of cement & admixtures	

DOSAGE:

The standard dosage is 0.8% by weight of total cementitious matter and the maximum dosage can go up to 2% based on site condition.

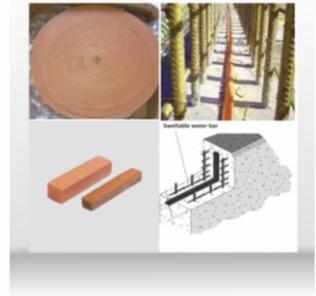
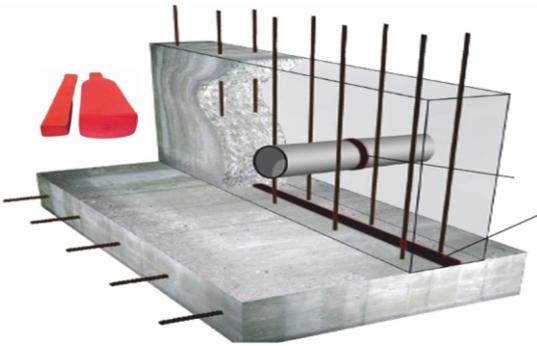
PACKING : 20 Kg

SHELF LIFE: 1 Year

MAX 3035 Hydroswell

Hydro-Swelling Joint Sealing Strip

MAX 3035 HYDROSWELL is water swellable, hydrophilic rubber based, joint sealing strip compacted in in-situ concrete or between prefabricated concrete elements, will expand volumetrically in contact with water creating a positive pressure against the face of the concrete joint to form a watertight seal in the joints thus preventing water passing through the protected joint.



AREA OF APPLICATION:

Construction and cold joints in concrete, Underground concrete structures such as basements, water reservoirs, swimming pools, UG metro constructions, tunnels, etc., Pipe penetrations, Sewer systems, Subterranean prefabricated concrete elements

FEATURES & BENEFITS:

Excellent expansion properties in contact with water, Seals the voids in the joints, Flexible and elastic, can absorb construction movements Reversible and infinite swell capability, Expands slowly to ensure non-disturbance of fresh concrete, Does not corrode or degrade in fully immersed condition, Easy to install

SURFACE PREPARATION:

The concrete substrate should be clean and free of standing water. It is important to remove/clean loose particles, dirt, grease from the surface by chipping and washing with suitable equipment such as

high - pressure air, water, wire brush. The surface of the joint should be dry, whenever necessary, air blower should be used; the excess humidity will cause a lack of bonding and even release of the strip during the application.

TECHNICAL INFORMATION:

Specific Gravity @27 (°C):	1.30 ±0.05
Elongation at Break (%):	>300
IS 3400 (Pt-1)-2012	
Tensile Strength (Kg/cm ²):	3
IS 3400 (Pt-1)-2012	
Hardness Shore A:	35 +/- 5
IS 3400 (Pt-2)-2003	
Change in Volume after 24 Hrs. (%):	100
Change in Volume after 14 Days (%):	300
IS 3400 (Pt-6)-2012/ASTM D417	

PACKING : 20mmx25mm, 20mmx10mm, sizes are available in packs of 100 RMT lengths (20mtrx5nos) & other sizes can be provided for bulk orders.

SHELF LIFE : 1 Year



**TILE & STONE
ADHESIVE**

MAX 4001 N. S. A. - 44

General Purpose Tile Adhesive

MAX 4001 N.S.A.-44 is Polymer modified pre-mixed, non-shrink, self-curing adhesive and having excellent waterproofing properties. It is specially made for fixing of Ceramic Tiles, Vitrified Tiles, and Stone on any cementitious surface on floor.

IS 15477-2019: Type 1

EN 12004 / ISO 13007: C1TE



ADVANTAGES:

Highly cost effective, Easy to work for various application, Ideal for any cementitious surface to fix new Ceramic, Vitrified and cementitious tiles, Improves strength & gives Strong and Durable bonding with surface Self curing properties, It gives 100 % Waterproofing properties, Can be used for Interior and Exterior, Can be used for Only on cementitious surface (Tile-on-Tile)

TECHNICAL INFORMATION :

Colour:	Grey powder
Fresh mortar density	
Grey:	1.55 ± 0.20 kg/l
Mixing ratio: W/P ratio	Water /20 kg
Grey	0.26-0.30 6.50-7.50 ltr
Maturing time:	~5 minutes
Pot life:	≥ 120 minutes
Open time:	> 30 min
Adjustability time:	~30 min
Grouting/walkability:	24

hr.

Grouting walls: 4-6 hr.

Req. as per EN12004-2/ISO13007-2

Tensile adhesion strength:

Dry condition	≥ 0.5 N/mm ²
Wet condition	≥ 0.5 N/mm ²
After heat ageing	≥ 0.5 N/mm ²
After > 30 minutes, open time	≥ 0.5 N/mm ²

Shear adhesion strength:

Dry condition	≥ 0.5 N/mm ²
Wet condition	≥ 0.5 N/mm ²
After heat ageing	≥ 0.5 N/mm ²
After > 30 minutes, open time	≥ 0.5 N/mm ²

Slip resistance ≤ 0.5 mm

COVERAGE: Approx 55-60 sft per 20kg bag (6mmx6mm) square notched trowel for average bed of 3mm. Coverage will vary depending on trowel notch size, type & size of tile & substrate smoothness & evenness.

PACKING: 20 kg & 50 kg Bag.

SHELF LIFE : 1 Year

MAX 4002 N. S. A.- 99

Polymer Modified, Tile on Tile Adhesive.

MAX 4002 N. S. A.-99 is highly polymer modified pre mixed special tile adhesive for "Tile on Tile" (TOT) application. MAX 4002 N. S. A.-99 a non-shrink, high bonding, self-curing and high flexible adhesive having excellent waterproofing properties. It is specially made for Ceramic Tiles, Vitrified Tiles flooring etc. It is both for exterior and interior applications. It complies to **ISO 9001: 2015 & BS 5980: 1980**

IS 15477-2019: Type 2'T'
EN 12004 / ISO 13007: C2TE



ADVANTAGES:

Ready to use, high bonding and durable, Suitable for indoor and out-door, No need for hacking or mechanical key on surface, Ideal for fixing tiles on tiles & tiles on wall, Excellent waterproofing characteristics, Ideal adhesive for wall, floor, showers area, dry & wet areas etc.

TECHNICAL INFORMATION :

Colour:	Grey powder
Fresh mortar density	
Grey:	1.55 ± 0.20 kg/l
Mixing ratio: W/P ratio	Water /20 kg
Grey	0.26-0.30 6.50-7.50 ltr
Maturing time:	~5 minutes
Pot life:	≥ 120 minutes
Open time:	> 30 min
Adjustability time:	~30 min
Grouting/walkability:	24 hr.
Grouting walls:	4-6 hr.

Req. as per EN12004-2/ISO13007-2

Tensile adhesion strength:

Typical Value

Dry condition	2.0 N/mm ²	≥ 1.0 N/mm ²
Wet condition	1.5 N/mm ²	≥ 1.0 N/mm ²
After heat ageing		≥ 1.0 N/mm ²
After > 30 minutes, open time		≥ 0.5 N/mm ²

Shear adhesion strength:

Typical Value

Dry condition	2.0 N/mm ²	≥ 1.25 N/mm ²
Wet condition	1.8 N/mm ²	≥ 1.0 N/mm ²
After heat ageing		≥ 1.0 N/mm ²
After > 30 minutes, open time		≥ 0.5 N/mm ²

Slip resistance

COVERAGE: Approx 55-60 sft per 20kg bag (6mmx6mm) square notched trowel for average bed of 3mm. Coverage will vary depending on trowel notch size, type & size of tile & substrate smoothness & evenness.

PACKING: 20 kg & 50 kg Bag.

SHELF LIFE : 1Year

MAX 4003 N. S. A.-111

Adhesive for Internal & External Wall Cladding

MAX 4003 N.S.A.-111 is highly polymer modified pre packed special tile adhesive for Internal & External wall cladding Adhesive. MAX 4003 N.S.A.-111 is a non-shrink, high bonding, self-curing and high flexible adhesive having excellent waterproofing properties. It is specially made for Ceramic Tiles, Vitrified Tiles flooring & cladding. It is both for exterior and interior applications.

IS 15477-2019: Type 3T'

EN 12004 / ISO 13007: C2TE



USES:

Ceramic, Vitrified, Glazed, Porcelain, Stone Mosaic, Terrazzo, Unglazed, Thin and large tiles.

Bonding the Tiles on following applications: Wall & floor, Balconies, Bathrooms, Commercial, Kitchens, Leisure centres, Storage areas, Terraces, Wet areas, Overlaying existing interior ceramic tiles, Façades upto 10 feet height, Interior and Exterior use

TECHNICAL INFORMATION :

Colour: Grey or White powder
 Fresh mortar density
 Grey: 1.55 ± 0.20 kg/l
 White: 1.60 ± 0.20 kg/l
 Mixing ratio: W/P ratio Water /20 kg
 Grey 0.26-0.30 6.50-7.50 ltr
 White 0.33-0.35 8.25-8.75 ltr
 Maturing time: ~5 minutes
 Pot life: ≥ 120 minutes
 Open time: > 30 min
 Adjustability time: ~30 min

Grouting/walkability: 24 hr.

Grouting walls: 4-6 hr.

Req. as per EN12004-2/ISO13007-2

Tensile adhesion strength:

Typical Value

Dry condition 2.3 N/mm² ≥ 1.5 N/mm²

Wet condition 1.6 N/mm² ≥ 1.0 N/mm²

After heat ageing ≥ 1.0 N/mm²

After > 30 minutes, open time ≥ 0.5 N/mm²

Shear adhesion strength:

Typical Value

Dry condition 2.3 N/mm² ≥ 1.5 N/mm²

Wet condition 2.0 N/mm² ≥ 1.0 N/mm²

After heat ageing ≥ 1.0 N/mm²

After > 30 minutes, open time ≥ 0.5 N/mm²

Slip resistance ≤ 0.5 mm

COVERAGE: Approx 55-60 sft/20kg (6x6)mm notched trowel for average bed of 3mm. Coverage vary depending on notch size, type, size of tile, substrate smoothness & evenness.

PACKING: 20 kg & 50 kg Bag.

SHELF LIFE : 1Year

MAX 4004 N. S. A.- 555

For Heavy Stone Cladding Tile Adhesive

MAX 4004 N. S. A.-555 High performance & highly polymer modified pre packed special high quality grey adhesive. It is used for permanent fixing of Granite and Stone application. MAX 4004 N. S. A.-555 is a non-shrink, heat proof, self-curing and highly flexible adhesive having excellent waterproofing properties. It is specially made for Granite, Marble, Stone, Vittrified Tiles flooring etc. It can be apply on exterior and interior applications. It compiles to **BS 5980: 1980**.

IS 15477-2019: Type 3T' S1
EN 12004 / ISO 13007: C2TES1



USES:

Bonding the following types of tiles:
 Ceramic, Vittrified, Earthenware, Glazed,
 Porcelain, Stoneware, Terrazzo,
 Unglazed, Thin & large tiles, Marble,
 Natural Stone

It is specially design for fixing door & window granite/marble frame.

TECHNICAL INFORMATION :

Colour:	Grey powder
Fresh mortar density	
Grey:	1.55 ± 0.20 kg/l
Mixing ratio: W/P ratio	Water /20 kg
Grey	0.26-0.30 6.50-7.50 ltr
Maturing time:	~5 minutes
Pot life:	≥ 20 minutes
Open time:	> 30 min
Adjustability time:	~40 min
Grouting/walkability:	24 hr.
Grouting walls:	4-6 hr.

Req. as per EN12004-2/ISO13007-2

Tensile adhesion strength:

Typical Value

Dry condition	2.8 N/mm ²	≥ 1.5 N/mm ²
Wet condition	2.0 N/mm ²	≥ 1.0 N/mm ²
After heat ageing		≥ 1.0 N/mm ²
After > 30 minutes, open time		≥ 0.5 N/mm ²

Shear adhesion strength:

Typical Value

Dry condition	3.0 N/mm ²	≥ 1.5 N/mm ²
Wet condition	2.8 N/mm ²	≥ 1.0 N/mm ²
After heat ageing		≥ 1.0 N/mm ²
After > 30 minutes, open time		≥ 0.5 N/mm ²

Slip resistance

≤ 0.5 mm

Transverse deformation ≥ 2.5mm & < 5mm

COVERAGE: Approx 55-60 sft per 20kg bag (6mmx6mm) square notched trowel for average bed of 3mm. Coverage will vary depending on trowel notch size, type & size of tile & substrate smoothness & evenness.

PACKING: 20 kg & 50 kg Bag.

SHELF LIFE : 1 Year

MAX 4005 N. S. A.-555 PLUS

For Heavy Stone Cladding with Extra Adhesive

MAX 4005 N.S.A.-555+ High performance & highly polymer modified pre packed special high quality grey adhesive. It is used for permanent fixing of Granite & Stone application. MAX 4004 N.S.A.-555 is a non-shrink, heat proof, self-curing and highly flexible adhesive having excellent waterproofing properties. It is specially made for Granite, Marble, Stone, Vitrified Tiles flooring etc. It can be apply on exterior and interior applications. It compiles to **BS 5980: 1980**.

IS 15477-2019: Type 3T S1
EN 12004 / ISO 13007: C2TES1



USES:

Bonding the following types of tiles:
 Ceramic, Vitrified, Porcelain, Terrazzo, Unglazed, Large Tiles, Natural Stone.

Bonding the Tiles on following applications: Wall & floor, Balconies, Bathrooms, Kitchens, Leisure centres, Terraces, Wet areas, Tile on Tile, Façades, Interior & Exterior

TECHNICAL INFORMATION :

Colour:	Grey or White powder	
Fresh mortar density		
Grey:	1.55 ± 0.20 kg/l	
White:	1.60 ± 0.20 kg/l	
Mixing ratio: W/P ratio	Water/20 kg	
Grey	0.26-0.30	6.50-7.50 ltr
White	0.33-0.35	8.25-8.75 ltr
Maturing time:	~5 minutes	
Pot life:	≥ 120 minutes	
Open time:	> 30 min	
Adjustability time:	~40 min	
Grouting/walkability:	24 hr.	
Grouting walls:	4-6 hr.	

Req. as per EN12004-2/ISO13007-2

Tensile adhesion strength:

Typical Value

Dry condition	2.8 N/mm ²	≥ 1.5 N/mm ²
Wet condition	2.0 N/mm ²	≥ 1.0 N/mm ²
After heat ageing		≥ 1.0 N/mm ²
After > 30 minutes, open time		≥ 0.5 N/mm ²

Shear adhesion strength:

Typical Value

Dry condition	3.0 N/mm ²	≥ 1.5 N/mm ²
Wet condition	2.8 N/mm ²	≥ 1.0 N/mm ²
After heat ageing		≥ 1.0 N/mm ²
After > 30 minutes, open time		≥ 0.5 N/mm ²

Slip resistance ≤ 0.5 mm
Transverse deformation ≥ 2.5mm & <5mm

COVERAGE: Approx 55-60 sft per 20kg bag (6mmx6mm) square notched trowel for average bed of 3mm. Coverage will vary depending on trowel notch size, type & size of tile & substrate smoothness & evenness.

PACKING: 20 kg & 50 kg Bag.

SHELF LIFE : 1 Year

MAX 4008 G.M.A.

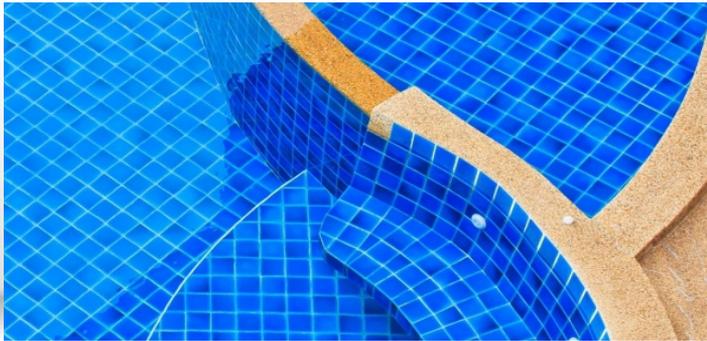
For Glass Mosaic, Glass Tile & Marble

MAX 4008 G.M.A. is a high performance & highly polymer modified pre mixed special high quality white adhesive. It is used for permanent fixing of Glass Mosaic & Glass tiles. MAX 4008 G.M.A. is a non-shrink, heat proof, self-curing & highly flexible adhesive having excellent waterproofing properties. It is specially made for Glass Mosaic & Glass Tiles applications etc. It is both for exterior & interior applications.

It compiles to **BS 5980: 1980**

IS 15477-2019: Type 3T'

EN 12004 / ISO 13007: C2FT



ADVANTAGES:

Ready to use ultra-high bonding highly durable, Suitable for indoor & out door, No need for hacking or mechanical key on surface, Self-Curing, thus no need to curing, Ideal for fixing Glass tiles & mosaic etc. on wall, Excellent waterproofing characteristics, Ideal adhesive for wall, floor, showers area, dry & wet areas, swimming pool etc.

HOW TO USE:

Add MAX 4008 G.M.A. to clean water and mix until a smooth slump free consistency produced or as per recommended ratio, avoid excess water, After mixing spread the adhesive paste by notch trowel on the background immediately.

Spread only adhesive mix that can be fixed within 20 minutes, Push glass tile firmly on the background

ensuring that good contact is maintained with the back of each tile

TECHNICAL SPECIFICATIONS :

Base: Highly Polymer modified cementitious

Mixing Ratio: 1: 3 or 1: 3.5 (W:P)

Bed thickness: 2 to 3 mm

Setting tile: Initial-30 to 45 minutes

Compressive Strength: 22.95 N/mm²

As per BS 5980

Strength	Tensile	Typical Value	Shear	Typical Value
14 Days	≥0.95 KN	14.35 KN	≥ 8.9 KNN	17.65 KN

COVERAGE: 4 to 5 Sq. Ft./1 Kg

PACKING: 20 kg & 50 kg Bag.

SHELF LIFE : 1 Year

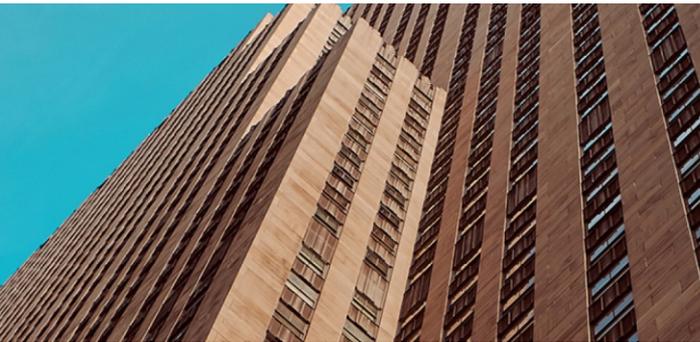
MAX 4009 S-40 LIMITLESS

Multipurpose Adhesive

MAX 4009 S-40 LIMITLESS is a cementitious, deformable, high performance floor and wall tile adhesive with reduced slip and extended open time. For residential, industrial and commercial wet and dry environments up to 15 mm thickness. Suitable for bonding all types of ceramic, porcelain, marble and natural stone tiles to all types of absorbent construction material substrates. Particularly suitable for façades, heated floors, swimming pools and industrial floors. Indoor and outdoor use.

IS 15477-2019: Type 4 'T' S1

EN 12004/ ISO 13007:C2TES1



USES:

Bonding the following types of tiles:
 Ceramic, Vitrified, Earthenware, Glazed,
 Porcelain, Stoneware, Terrazzo,
 Unglazed, Thin & large tiles, Marble,
 Natural Stone

TECHNICAL INFORMATION :

Colour:	Grey or White powder		
Fresh mortar density			
Grey:	1.55 ± 0.20	kg/l	
White:	1.60 ± 0.20	kg/l	
Mixing ratio: W/P ratio	Water	/20 kg	
Grey	0.26-0.30	6.50-7.50	ltr
White	0.33-0.35	8.25-8.75	ltr
Maturing time:	~5 minutes		
Pot life:	≥ 180 minutes		
Open time:	> 30 min		
Adjustability time:	~40 min		
Grouting/walkability:	24 hr.		
Grouting walls:	4-6 hr.		

Req. as per EN12004-2/ISO13007-2

Tensile adhesion strength:

Typical Value

Dry condition	3.4 N/mm ²	≥ 1.5 N/mm ²
Wet condition	2.9 N/mm ²	≥ 1.0 N/mm ²
After heat ageing		≥ 1.0 N/mm ²
After > 30 minutes, open time		≥ 0.5 N/mm ²

Shear adhesion strength:

Typical Value

Dry condition	3.2 N/mm ²	≥ 1.5 N/mm ²
Wet condition	2.7 N/mm ²	≥ 1.0 N/mm ²
After heat ageing		≥ 1.0 N/mm ²
After > 30 minutes, open time		≥ 0.5 N/mm ²

Slip resistance

≤ 0.5 mm

Transverse deformation ≥ 2.5mm & < 5mm

COVERAGE: Approx 55-60 sft per 20kg bag (6mmx6mm) square notched trowel for average bed of 3mm. Coverage will vary depending on trowel notch size, type & size of tile & substrate smoothness & evenness.

PACKING: 20 kg & 50 kg Bag.

SHELF LIFE : 1 Year

MAX 4011 FLEX

Highly Modified PU Adhesive

MAX 4011 FLEX is a highly modified, single component Polyurethane Adhesive for fixing of Ceramic, Vitrified, Glass Mosaic Tiles and Natural Stones on various substrates like Ply Wood, Dry Wall Boards, Metal surface and Cleaned dry cement Surfaces. Where installation must resist physical abuse, shock and mild chemicals for Interior & Exterior applications



FEATURES & BENEFITES :

Single Component, High Strength, Easy to use, Ready to Use, Bonds strongly on various substrates, Shear bond strength requirements, Shock resistant, Excellent resistance to water & mild chemicals

Type: D2TE

It complies: ANSI A118.4

DIRECTION FOR USE :

Surface preparation is the first and the most important step before the application to get the results and to avoid failure. The substrate must be cleaned and free of dirt, paint, oil, grease, sludge, blistered & loose plaster, fungus & moss etc. by thorough wire brushing followed by sanding with emery paper is recommended. Remove the dust by compressed air or paint brush or wiping with water soaked cloth. Open MAX

4011 FLEX the container, mix

with a scoop or trowel and apply the proper notched trowel. Take out only the amount of adhesive required for use and keep the container closed to prevent skinning of the adhesive in the container. Keep the container closed for future use of remaining product. It is suggested to see that the product is kept under recommended storage conditions for effective performance.

COVERAGE: Approx. 45-50 sft per 10 kg bucket with 1 / 4" X 1 / 4" (6mm X 6mm) square notched trowel for average bed of 3mm.

PACKING: 1 kg, 5 kg and 10 kg.

SHELF LIFE : 1 Year

MAX 4014 HYBRID PU LASTIC

Any Surface to Any Surface PU Adhesive

MAX 4014 HYBRID PU LASTIC is a high shear and tensile improved Hybrid PU based cladding adhesive to use on any construction material, screeds, renders, concrete, asphalt, wood, metal, PVC, reinforced polyester, fibre-cement, gypsum, gypsum board, gypsum panels etc. to fix any tile on any surface. It is recommended for various kinds of natural stone i.e. marble, granite, slate etc. and total range of Tiles & Stone. Also for resin based Engineered Stone, Stone Veneer.

IS 15477-2019: Type 5T'S1
EN 12004 / ISO 13007: R2TE



ADVANTAGES:

High flexibility, Accommodate vibrations and shock, High bond and Non staining, High chemical resistance, Water and UV resistance, Permanent bond, Any tile & stone on any surface

RECOMMENDED FOR:

Natural stone i.e. Granite, Marble, Kota, Slate, Ceramic & Vitrified, Porcelain & Design tile, Glass bricks & Glass mosaics, Quartz & handmade tile, Composite marble & artificial tile, Wall & Floor, Interior & Exterior

TECHNICAL SPECIFICATIONS :

	Part A	Part B
Consistency:	paste	paste
Colour:	off white	White
Density (g/cm ³):	1.56	0.93
Dry solids content (%):	100	100
Density of mix (kg/m ³):	1520	
Pot life:	30-40 minutes	

Application temp. range°C:	+10 to +30
Open time (according to EN 1346):	50min
Adjustability time:	70 min
Setting time: – initial:	6 hours
– final:	8 hours
Set to light foot traffic:	12 hours
Ready for use:	7 days

Tensile adhesion strength:

Typical Value

Dry condition	3.5 N/mm ²	≥ 1.5 N/mm ²
Wet condition	3.0 N/mm ²	≥ 1.0 N/mm ²

Shear adhesion strength:

Typical Value

Dry condition	6.5 N/mm ²	≥ 1.5 N/mm ²
Wet condition	3.4 N/mm ²	≥ 1.0 N/mm ²

COVERAGE: 4 to 5 Sq. Ft. per Kg.

PACKING: 4 Kg Bucket

Total Pack	Resin Part A	Hardener Part B
4 kg	3200 gm	800 gm

SHELF LIFE : 1 Year

MAX 4050 SCREED C

MAX 4050 SCREED (C) Polymer modified engineered cement concentrate for making high strength floor levelling beds which are self-curing intended for interior and exterior underlays.

APPLICATION: Designed especially for interior and exterior floor screeds/underlays.

SURFACE: Concrete, Cement mortar beds, Cement Terrazzo

FEATURES & BENEFITES: High strength, Shock & impact resistance, Water retaining & self-curing, Non-Shrin, Easy to use

It compiles to **EN 13813** under **CT-C25F3B1.5SH40** classification.



TECHNICAL SPECIFICATIONS :

Performance Properties: **MAX 4050 SCREED (C)**, when mixed with fine aggregates in the ratio of 1:4 by volume and water. Applicable Standards: EN 13813

Property-Test Method	EN DATA	
	Standard Requirement	Typical Values
Compressive Strength EN 13892-2	25 N/mm ²	25-30N/mm ²
Flexural Strength EN 13892-2	3 N/mm ²	3-5N/mm ²
Bond Strength- EN 13892-8	1.50 N/mm ²	1.00-1.50 N/mm ²
BRE Drop Hammer Test BS 8204	3-4 mm	3-4 mm
Surface Hardness EN 13892-6	40 N/mm ²	50-70 N/mm ²

COVERAGE: 25mm thickness, by Volume:

Ratio	Max 4050 Screed @ 100in Kg	Aggregates in Kg	Coverage
1:3	25 kg	100 kg	30 Sq. ft.
1:4	25 kg	125 kg	36 Sq. ft.
1:5	25 kg	150 kg	43 Sq. ft.
1:6	25 kg	190 kg	50 Sq. ft.

Working Properties at 70° F (21° C)

PROPERTY	TYPICAL VALUES
Dry Mortar Density	1000-1100 kg/m ³
Wet Mortar Density	2000-2100 kg/m ³
Pot Life	4 Hours
Time for Foot Traffic	≥ 24 Hours
Time for Heavy Traffic	≥ 72 Hours

PACKING : 25 kg

SHELF LIFE : 1 Year

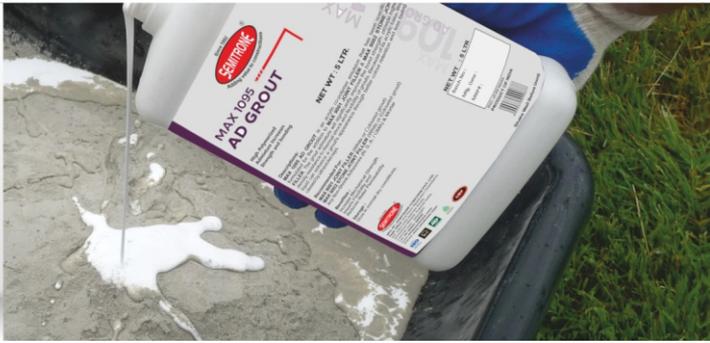
The background is a vibrant orange color with a complex, low-poly geometric pattern of various triangles and polygons. On the right side, there is a large, white, thick-lined circle that partially overlaps the text and the background pattern.

GROUTS & SEALANTS

MAX 1095 AD GROUT

Highly Polymer Modified Cementitious Joint Filler & Stone Filler

MAX 1095 AD GROUT is an acrylic co-polymer emulsion that has been specifically formulated for the addition to MAX 9001 JOINT FILLER & MAX 9002 STONE JOINT FILLER. The grout admixture will significantly improve the bond strength; provide higher density resistance to thermal shock and flexibility of grouts. Because of its acrylic base, this liquid can enhance a grout's appearance through better colour retention and less fading caused by ultraviolet rays.



ADVANTAGES :

- Reduces staining.
- It is excellent for grouting tiles with high absorptive levels, 7 % or better.
- Increases weather resistance of grout.
- Increases durability & high bonding.
- Increases flexibility.

RECOMMENDED FOR:

- MAX 9001 JOINT FILLER
(White or Coloured grout)
- MAX 9002 STONE JOINT FILLER
(White or Coloured grout)
- Any Non-Shrink Adhesives (N. S. A. / GMA) & Mortar

MIXING:

Pour 100 ml of MAX 1095 AD GROUT with 200 ml of clean water into a clean container.

Add the MAX 9001 JOINT FILLER powder slowly continuously mixing until a smooth toothpaste consistency is achieved. Allow to stand for 2 minutes. Re-stir. The product is now ready to use.

You can also use MAX 1095 AD GROUT as a total water replacement in the grout.

TECHNICAL INFORMATION:

Colour: White liquid
Base: Acrylic polymer

DOSAGES:

100 ml / 1 kg
MAX 9001 JOINT FILLER
or
MAX 9002 STONE FILLER

PACKING: 100ml, 1 kg, 5 kg & 10 kg.

SHELF LIFE : 1 Year

MAX 9001 JOINT FILLER

Highly Polymer Modified Cementitious Joint Filler

MAX 9001 JOINT FILLER is a fine powder consisting of Portland cement, specially selected polymer, properly selected & graded fine fillers. It is used for grouting of tiles, stones, marble joints & edges because it has water repellency properties, excellent adhesion (high bonding strength), soft consistency, work ability and seals joint permanently. It is non-shrinking, non-toxic and odourless grout used for sealing of swimming pool. It is polymer modified & highly water resistance, peel & crack tile joint filler available in more than 38 attractive colors. Suitable for up to 5 mm width.

It complies to **BS 5385**.



HOW TO USE :

Tile joint must be clean, free from any dust or other contaminates. Fill the joints after minimum 24 hours from tile fixed with Tile Adhesive, Mix joint filler and water in 3:1 ratio. Wait for five minutes for proper chemical action, Fill the joint properly, Clean the extra joint filler from tile surface with wet cotton cloth after 1.5 hours. Clean the joints with dry cotton cloth after 24 hours. Add - Ad Grout liquid is recommended for high strength & impart bonding, weather resistance & durability.

TECHNICAL SPECIFICATIONS :

Density :	Wet-1.85 kg/ltr
	Dry-1.78 kg/ltr
Compressive strength:	31.33 N/mm ² @28 days
Flexural strength :	3.21 N/mm ² @28 days
Working time:	30 minutes
Curing:	minimum 48 hours
Mixing Ratio:	Approx 32 to 34 % by weight of joint filler i.e. 1.6 to 1.7 litre water per 5 kg

PACKING:

500 gm, 1 kg (Pouch) & 10 kg bag.

SHELF LIFE : 1 Year

MAX 9002 STONE JOINT FILLER

Above 5 mm groove Sanded Grout

MAX 9002 STONE JOINT FILLER is a blend of specially selected cements, polypropylene fibers, fillers, high grade pigments and synthetic organic polymers. It is polymer modified and highly water resist, peel proof and crack proof tile joint filler available in more than 38 attractive colours. Suitable for more than 5mm & up to 15mm joint width.

It complies to **BS 5385**.



ADVANTAGES:

- Can be used for filling joints of various kinds of tiles and stones
- Easy to use and consistent in quality
- Highly water resist & peel proof
- Highly stain resistance/ Acid proof
- High damp resistance
- Available in attractive colour range

TECHNICAL SPECIFICATIONS :

Density:Wet-1.85 kg/ltr, Dry-1.78 kg/ltr
Compressive strength : 34.45 N/mm²

@28days

Flexural strength:3.65 N/mm²@28 days

Working time: 30 minutes

Curing: minimum 48 hours

Mixing Ratio: Approx 32 to 34 %

by weight of Stone filler

AREA OF APPLICATION:

Ideal for all kind of joints in Exterior Walls & Exterior Floors, Pavers Flooring, Parking area, etc., Ideal for Vitrified, Kota, Marble & Granite

HOW TO USE:

- Tile joint must be clean, free from any dust or other contaminates.
- Fill the joints after minimum 24 hours from tile fixed with chemical.
- Mix Stone filler and water in 3 : 1 ratio
- Wait for ten minutes for proper chemical action.
- Fill the joint properly.
- Clean the extra joint filler from tile surface with wet cotton cloth after 1.5 hours.
- Clean the joints with dry cotton cloth after 24 hours.

PACKING: 10 kg.

SHELF LIFE : 1 Year

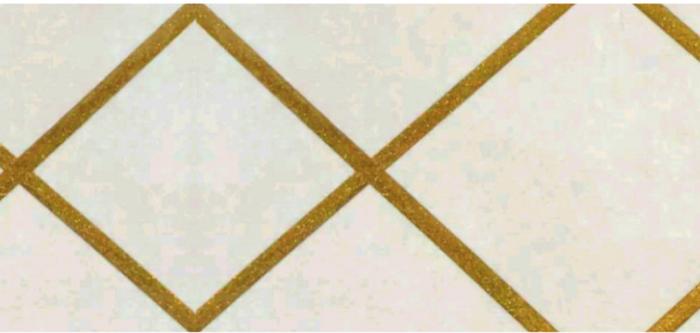
MAX 9004 EPOCRETE SILK (3 Part)

Three Part Epoxy Tile Grout

MAX 9004 EPOCRETE SILK is a unique system of three components - water wipable, high bonding and high strength, tough, 100% epoxy joint filler. It is 100% Dirt free, stain free, Water proof, Fungal & Bacteria proof, Acid & Chemical resistant ultimate durable epoxy joint filler. It is available in more than 57 attractive colours with Universal, Elegant & Glorious range.

It complies to **ANSI - A 118.3 - 1999**.

Also available in Two Part (MAX 9003 MAXAPOXY).



ADVANTAGES:

Smoothest surface, attractive colour shades, easy availability and application support. Resist heavy load and saves edges of the tile, highly compatible will total range of floor and wall joints.

- Very easy to apply & clean
- Smoothest surface don't allow to any dust or fungus
- Ultra high bonding and durability
- Improved color stability
- Uniform in shade

AREA OF APPLICATION :

Kitchen	Swimming Pool
Floors & Walls	Food Industries
Pharmaceutical Units	Bathrooms
Waterbodies	Hospitals
Laboratories	Restaurants
Automobile Hub	Beverages

TECHNICAL SPECIFICATIONS :

Water absorption:	0.3 %
Initial setting time:	4 hrs
Comp strength:	510N/mm ²
Linear shrinkage:	> 0.11 %
Mix Ratio:	1.8 : 1.0 : 7.2
	(Resin: Hardener: Colour Filler)
Linear shrinkage:	> 0.11%
Tensile Strength:	11.5 N/mm ²
Final Setting:	72 hours
Bond Strength:	7.6 N/mm ²
Pot Lite:	40 to 45 minute

Total Pack	Resin	Hardener	Filler
1 kg	200gm	100gm	700gm
5 kg	1kg	0.5kg	3.5kg

PACKING: 1 kg & 5 kg

SHELF LIFE : 1 year

MAX 9005 ECOLITE

Translucent, Hygienic Epoxy grout & Adhesive

MAX 9005 ECOLITE is a unique system of two components - water wipeable, high bonding and high strength, tough, 100% epoxy joint grout. It is 100% Dirt free, Stain free, Water proof, Fungal & Bacteria proof, Acid & Chemical resistant ultimate durable epoxy joint Grout & Adhesive.

MAX 9005 ECOLITE offers a unique Opaque color & Photochromatic that diffuses light and makes any design look more vibrant & enhances the beauty of Glass Mosaic.



AREA OF APPLICATION :

- Ideal for Laying of Glass Mosaic
- Ideal for Grouting of Glass Mosaic
- Swimming Pools
- Fountain
- Wet area application
- Ceramic Tile
- Stone
- Interior & Exterior
- Residential & Commercial

TECHNICAL INFORMATION:

Appearance:

Part A:	Paste
Part B:	Straw-Coloured
Liquid Abrasion Resistance:	35mm ³
Flexural Strength:	35.5 MPa
Compressive Strength:	57MPa

Shrinkage:	00 mm/m
Water Absorption:	0.01%
Vertical Joint Sag:	Pass
Bond strength:	15 Mpa
Mixing Ratio-Part(A:B):	0.92:0.08

ADVANTAGES :

MAX 9005 ECOLITE offers a unique Opaque color & Photochromatic that diffuses light and makes any design look more vibrant & enhances the beauty of Glass Mosaic.

COVERAGE:

As an Adhesive - 2 to 4 Kg/m²
As a Gout - See Coverage Table

PACKING : 1 kg and 5 kg.

SHELF LIFE : 1 year

MAX 9008 ANCHOR GROUT-P

High Strength Polyester Resin Anchor Grout

MAX 9008 ANCHOR GROUT-P polyester resin grout are all pre-measured, two part polyester resin grouts. After hardening the grout produces anchorages of consistent reproducible values.

It complies to **BS 4551, BS 5080, BS 2782.**

USES: It is used for high strength corrosion resistant anchoring of bolts and bars from 12 - 50mm diameter into concrete/rock/masonry/brickwork where high speed of installation and early application of load is required. Permanent installation of reinforcement starter bars/foundation bolts/base plates/balustrading/barriers/safety fences/railway tracks.



ADVANTAGES:

Ultra rapid strength gain, Vibration resistant, Corrosion resistant, Non expansive, Can be placed under water

APPLICATION INSTRUCTIONS :

HOLE PREPARATION AND FORMATION

Optimum performance of MAX 9008 ANCHOR GROUT-P requires rough sided, dust free holes. Uses of rotary percussive drills with air or water flushing is recommended.

BAR PREPARATION

All bars should preferably be degreased and all flaky rust removed.

MIXING

A complete pack of resin and catalysed filler should be mixed in one operation. Mixing may be carried out mechanically. When a smooth, even consistency is achieved the grout is ready for use and

should be placed well within the gel time of the grout (See properties).

Do not attempt to mix partial pack components.

INSTALLATION:

MAX 9008 ANCHOR GROUT – P the grout should be poured steadily into the prepared holes. The anchor bar is then pressed into the hole to the required depth. Slight agitation of the bar will assist in achieving a complete bond. The bar should then be left undisturbed in the required position until the resin is set.

PACKING : 1 kg

Total Pack	Liquid	Powder
1 kg	300gm	700gm

SHELF LIFE: 6 month

MAX 9010 SEMEX - 100

Plasticised Expanded Grout Admixture

MAX 9010 SEMEX - 100 is an expanding grout admixture for pressure/injection grouting. By introducing into the concrete mix, wet volume expansion and increased fluidity without segregation are produced.

It complies to **ASTM C 109, 99, ASTM C 307, BS 1881 Part 207**

USES: MAX 9010 SEMEX - 100 is used to increase flow and cohesion in cement grouts (addition of sand is possible) and to develop non-shrink property. This product can be used for grouting of: Pre-stressed cable ducts, Rock and soil anchoring, Bearing plates, Pre-placed aggregates, Tunnel linings



FEATURES & BENEFITS :

- **Shrinkage:** Produce shrinkage compensating cement slurry
- **Permeability:** Reduced water-cement ratio of cementitious grouts, the mix has reduced permeability to water
- **Flowability:** Provides good flowable grout mix so that mix could be easily placed or injected by gravity or pressurized injection pump
- **Durability:** Increases durability of repaired structures
- **Corrosion:** Chloride and iron free, hence no chance of corrosion
- **Setting time:** Does not affect the setting time of cement

- **Strength:** Does not affect the strength of cement, infact increases

MIXING:

- Add directly to the cement / water mix in the mixer.
- Sand may be added as required.

TECHNICAL INFORMATION:

Colour: Light Brown Powder
Bulk Density: ~0.80 kg/l at 27°C

RECOMMENDED DOSAGE :

225 gm per 50 kg bag of cement.

COVERAGE:

50 kg cement and 225 g MAX 9010 SEMEX - 100 will give 26-34 ltrs. Yield, when used with a water: cement ratio of 0.30 to 0.45

PACKING : 225 gms

SHELF LIFE: 6 Month

MAX 9020 PU SEALANT

Single Component Non-Sag Polyurethane Sealant

MAX 9020 PU SEALANT is a one-part moisture curing Polyurethane Sealant composed of polyurethane polymer, pigments, fillers & additives. It is used for filling and sealing joints in buildings & structures. It is highly elastic & resilient, weather-durable, non-sagging, watertight with excellent adhesion to almost all building construction materials.

It complies to **ASTM C-920-S, NS, 25 & BS EN ISO—11600: 2003 Type F & G, Class 25 LM standard.**



AREA OF APPLICATION :

Sealing of expansion & construction joints as well as joints between different constructions materials in high- rise buildings, basements, floorings etc., Sealing joints in between precast concrete panels, in between tiles, bricks, and marble, metal container finishing, Repairing of non-moving concrete Cracks & control widths, Perimeter pointing & curtain wall ceiling.

ADVANTAGE :

Reduces the possibility of applicator error and possible joint failure, Excellent thixotropic property - non-sag, Elastic low modulus, Pitch-free over paintable, Movement capability 25%, Bubble-free curing, no weak areas for air bubbles to develop, Excellent resistance to weathering (DIN 14231), Very good adhesion to most construction materials especially concrete without the need of

primer, Permanently elastic over a wide range of temperatures.

TECHNICAL SPECIFICATION:

Colour:	Grey / White
Density (g/cc):	1.42 to 1.5
Hardness, Shore A:	ASTM C – 920 :20-25
Movement Accommodation Factor (%):	±25
Modulus at 100% Elongation:	0.2 N/mm ²
Elongation at break, %:	500-600
Tensile strength:	15 N/mm ²

COVERAGE:

Total No. of Ltr required*

$$= \frac{\text{Joint W (mm)} \times \text{Joint D (mm)} \times \text{Joint L (m)}}{1000}$$

*Wastage is not considered

W= Width, D= Depth, L= Length

PACKING: 600ml

SHELF LIFE : 6 month

MAX 9030 SM-PU - 200

Polyurethane Injection Resin – Semi Rigid Foam

MAX 9030 SM-PU 200 two component, solvent free, polyurethane injection grout ideally suitable for crack injection/water leaks in concrete and masonry structures. Reaction with water yields a rigid polyurethane foam (slightly flexible). To be injected with a one-component pump. Use with 6 to 10% catalyst. The formation of gas² makes the foam penetrate very well into the cracks. The reaction speed can be adapted easily by varying the accelerator or catalyst content from 6 to 10 %. The more catalyst is added, the faster the reaction proceed. The end product neither shrinks nor swells. A good compression strength is obtained in a very short time.



AREA OF APPLICATION :

Water stop system for running water in:

- Defective concrete-crack & honeycomb
- Concrete joints
- Drinking water tanks, Waste water tank
- Sewers, manholes, utility boxes, etc.
- Dams, Canals & Tunnels
- Brick / stone masonry
- Pipe intrusions
- Soil stabilization

ADVANTAGE :

- Viscosity: Very low viscosity benefits penetration into hairline cracks
- Solids: 100% solid & solvent free composition helps in shrinkage free grout
- Foaming: On reaction with water foams around 30 times which filling of wider cracks & honey combing of concrete structures (hydrophobic in nature)

- Bonding: Bonds strongly to dry & wet concrete, bricks & stones
- Hygiene: It is safe & suitable for drinking water contact
- Non-toxic: It is CFC & solvent free

TECHNICAL INFORMATION:

1k PART- A

Appearance:	Yellowish Brown Liquid
Viscosity @25°CmPa.s:	100-200
Solid Content %:	100
Flash point °C:	>180
Density @25°Cgm/cm ³ :	1.12-1.16

1k PART- B

Appearance:	Clear to yellowish Liquid
Viscosity @25°CmPa.s:	20-30
Solid Content %:	100
Flash point °C:	>180
Density @25°Cgm/cm ³ :	0.91-0.97

PACKING: 10+1 kg set

SHELF LIFE : 6 month



CLEANING PRODUCTS

MAX 7001 TILE CLEANER

MAX 7001 TILE CLEANER is high quality rapid active cleaner & degreasing solution for use on Tiles, Mosaic Tiles, Bath tubs, Wash basin, and Concrete etc. Whitish spot/layer as normally observed in the bathroom under plastic/metal buckets (normal detergent not helpful can be removed easily.)

FEATURES & BENEFITES :

- Does not damage joints between Tiles, even those grouted with coloured products.
- Remove stain easily.

PACKING:

250 ml, 500 ml & 1 Ltr

SHELF LIFE: 1 years

TILE CLEANER



STEEL CLEANER



MAX 7002 STEEL CLEANER

MAX 7002 STEEL CLEANER is ready to use cleaner specifically formulated for stainless steel surfaces, chrome surface including bathroom accessories, home appliances. It quickly & easily removes fingerprints, hard water spot & food stains, leaving a streak - free shine.

- Clean & polishes in one step with a pleasant fragrance
- Leaves no greasy build up on surfaces
- Masks blemishes
- Slow resoiling
- Helps reduce fingerprints - Resists streaking.

FEATURES & BENEFITS :

- Unique formula provides smooth application and Cleaning steel/metal surfaces

PACKING : 250 ml.

SHELF LIFE: 1 years

MAX 7003 GLASS CLEANER

MAX 7003 GLASS CLEANER is clean hygiene & Insect Repellent 3 in 1 glass and household cleaner which removes dirt & dust and gives 2 time more shine then regular cleaner across glass & shiny surfaces.

AREA OF APPLICATION : Glass/Mirror Appliances, Slab/Surface, Kitchen Cabinet Glass Accessories.

CAUTION: Unplug electrical appliances

before use. If sprayed in eye, Rinse with plenty of water. Keep away from children.

DIRECTION FOR USE: Turn the nozzle to spray or stream position & apply fine mist over the surface. Wipe with clean & dry cotton cloth to get complete clean.

PACKING : 500 ml.

SHELF LIFE: 1 years



GLASS CLEANER



DRAIN CLEANER

MAX 7004 DRAIN CLEANER

MAX 7004 DRAIN CLEANER to be applied on symptoms of choking in the drain pipe. Use 30gm. In case of bigger pipes/stubborn debris multiple use is recommended

ADVANTAGES: Clears clogged drain pipes, Kill germs, Clear all clogs

HOW TO USE:

To be applied on symptoms of choking in the drain pipe, Remove access water accumulated at the neck pour the whole quantity of pack (25 gm) into the pipe

and add glass full of water into it, Flush the drain after 30 min, In case of bigger pipes/stubborn debris multiple use is recommended

CAUTION: Wear a mask when handling this product. Seek medical advice if symptoms persist. Wear safety eye wear when handling this product. Seek medical advice and rinse eyes with clean running water for at least 15mins .

PACKING : 60 gm.

SHELF LIFE: 1 years

MAX 7005 MULTIPURPOSE CLEANER

Concentrated NON-ACIDIC Multipurpose cleaner to remove Epoxy & Cementitious Grout residues and inorganic dirt.

MAX 7005 MULTIPURPOSE CLEANER is a concentrated NON ACIDIC Multipurpose cleaner specifically developed to wash and clean after installation of Tile / Stone.

The action of MAX 7005 MULTIPURPOSE CLEANER eliminates all residues of Epoxy, Cementitious grout, paint drop, Adhesives, RMC & Scaffolding, Texture Paint without changing the colour of joints and restoring the original appearance to treated surfaces. It is also extremely effective when it comes to removing inorganic dirt.



FEATURES & BENEFITES:

- Ready to use
- A versatile product, suitable for use on different types of Surfaces
- High cleaning action
- Effective on Epoxy residues
- Effective on Cement residues
- Easy application

USES:

This product can be used on both indoor and outdoor surfaces.

Suitable for use on:

Marble-quartz agglomerate, Slate, Sandstone, Basaltina, Lava stone, Molten basalt, Glazed ceramics, Granite, Lapped/Polished/Natural/Textured porcelain, Reconstituted stone

INSTRUCTIONS AND GUIDELINES:

Wait at least 48 hours after grouting , Never apply the product to a wet surface, Never use in conjunction with other chemical products, Before applying the product to the whole surface, it is advisable to test a small, unexposed area or unused piece to check its suitability for use.

APPLICATION:

Before applying the product to the whole surface, always test a small, unexposed area or unused piece to check its suitability for use.

TECHNICAL INFORMATION:

Appearance: Clear Pale Yellow Liquid
 Odour: Sweet Smell
 pH: 7 ± 1

PACKING: 500 ml, 1 Ltr, 5 Ltr & 20 Ltr

SHELF LIFE: 1 Year

A large white circle is positioned on the right side of the page, partially overlapping the text. The background is a vibrant purple color with a complex geometric pattern of overlapping triangles and polygons in various shades of purple.

PAINTS

MAX 5001 WALL LIFE PUTTY

Polymer Modified Cement Putty

MAX 5001 WALL LIFE PUTTY is highly modified white cement based putty, manufactured from high performing special graded, tested imported ingredients, binders and polymers for obtaining excellent results. MAX 5001 WALL LIFE PUTTY gives highly water resistance, excellent bond; durable and extra smooth finish with very good coverage & allow less consumption of paint.



TECHNICAL SPECIFICATIONS :

After 28 days

Compressive Strength: 14.09 N/mm²

Tensile Adhesion: 2.59N/mm²

Water demand: 25-35 %

(Depending on weather & site needs)

Surface Hardness: 3.08 N/mm²

Pot Life: 2-3 hours

Maximum Thickness (two coats): 1.5mm

Coverage : 25-30 Sq. Ft./Kg/Coat

(on smooth surface)

RECOMMENDED APPLICATION :

Remove all loose / sticky material, dust and other contaminates from the wall.

Add 25 to 35% clean water in to putty to make smooth homogeneous paste

Agitate the mix of water and putty for 5 - 10 minutes for making lump free uniform paste.

Roughen the wall with coarse sand paper before application, if wall is smooth. Apply with putty blade in downward to upward direction. Let the surface dry for 3 hours after 1st coat, rub the surface gently with cloth before 2nd coat. After removing of loose particle from single coated wall, apply second coat.

ADVANTAGE :

Gives smooth, decent finish to uneven surface of cement plaster. Gives glossy finish and hence reduces paint consumption to the wall. Highly durable which improves paint life. Smooth finish gives better look. Long life and durable, Highly Water Resistance & High bonding. Can use in External and Internal areas. Ready to use (add clean water only)

PACKING : 40 kg

SHELF LIFE : 1 Year

MAX 5003 ECO PRIME

Wall Prime for Interior & Exterior

MAX 5003 ECO PRIME(Int / Ext) is Water Thin-able wall seal is acrylic emulsion based primer suitable for application of interior & exterior plastered surfaces, concrete, asbestos & existing painted surfaces etc. It is quick drying, has fast re-coating time and gives smooth finish too. 3 in 1 Benefit like Stabilizing Wall, waterproofing and more coverage. It has excellent opacity and whiteness also improves appearance of top coat. Does not chalk and can be applied on adequately cured fresh plaster, does not required curing with water, provides excellent addition to top coat emulsions, prevents peeling off of top emulsions.



AREA OF APPLICATION :

Ideal for priming exterior & interior surfaces.

FEATURES & BENIFITES :

- Wall seal for masonry top coat like distemper, emulsion, luster and matt wall finishes
- Stabilizing Wall & Seal Micro porous.
- Good binding of chalky or porous substrates and over coating.
- Used as a primer on internal and external surfaces.
- Based on chemically inert polymers hence suitable for high alkaline substrates.
- Provides deep penetration thus imparts excellent substrate adhesion.

TECHNICAL INFORMATION:

- Type: Paint Primer (Water base)
- Color: White base
- Density: 1.55
- Water dilution: 25%

PRECAUTIONS :

- Do not over-thin or over-extend the brush
- Stir well and strain before use

COVERAGE : 50-60 Sq. Ft / Ltr. /Coat.

PACKING : 1 Ltr, 4 Ltr, 10 Ltr and 20 Ltr.

SHELF LIFE : 1 Year

MAX 5004 BAR SEAL

Anti Corrosive High Grip Flexible Waterbase Primer

MAX 5004 BAR SEAL Primer is a superior rust-proof coating for iron and steel when used prior to the application of paints. This primer offers good hiding power and is recommended for TMT Bar use to seal bar surfaces and provide good adhesion for concrete. For maximum durability, use one coat of Bar Seal Anti corrosive Primer.

AREA OF APPLICATION: All types of Steel Reinforcement, Coastal & Marine Structures, Industrial Projects, Water Structures, Underground Structures, High-Rise Buildings

APPLICATION: By brush or Spray at a pressure of 40 to 50 P.S.I.



FEATURES & BENIFITES :

- Protects against rust, especially in coastal and industrial environments.
- Prolongs the lifespan of structures by preventing deterioration from corrosion.
- Improves the bond between concrete and reinforcement for stronger structures.
- Minimizes the need for repairs and maintenance over time.

METHOD OF APPLICATION:

Surface Preparation: Surfaces contaminated by oil or grease should be cleaned with a solvent. Rust and loosely adhering particles should be removed by a wire brush or any emery cloth or paper.

Thinner Recommended: Plain pure water

DRYING TIME:

Surface Dry: Less than 45 minutes
 Hard Dry: Less than 12 hours
 (Above properties depends on temperature & humidity)

TECHNICAL INFORMATION:

Type: Anti Corrosive Coating (Water base)
 Color: Green
 Water dilution: 10% to 15%

COVERAGE: 60 to 80 Sq.Ft./ltr/coat.

Coverage in Running Feet per Ltr.

Bar Size	Running Feet
8 mm	160
12 mm	100
16 mm	60
20 mm	50
25 mm	46
32 mm	36

PACKING : 1 ltr, 4 ltr, 10 ltr & 20 ltr.

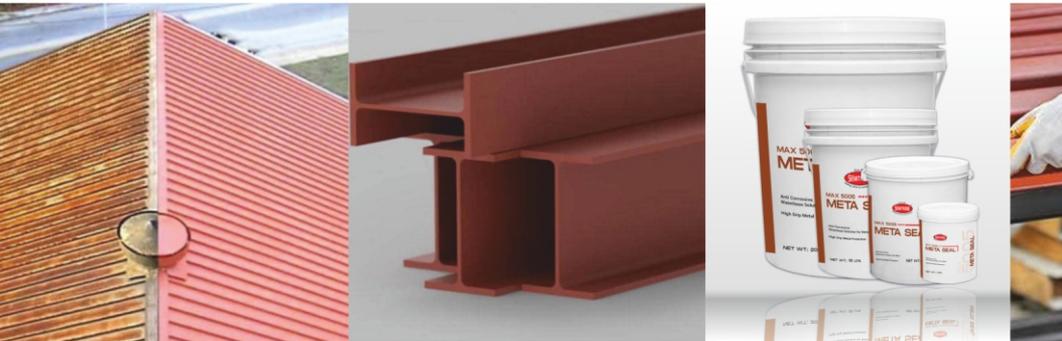
SHELF LIFE : 1 Year

MAX 5005 META SEAL

Anti Corrosive Waterbase Metal Primer

MAX 5005 META SEAL is a premium quality water based primer designed to be applied on Metal surfaces. It is eco-friendly, fast drying, low odour and demonstrates excellent hardness, corrosion and rust protection properties as compared to conventional solvent based primer. Can be top-coated with Water Based or Solvent Based Enamels. This primer offers good hiding power and is recommended for interior and exterior use to seal metal surfaces and provide good adhesion for final coats. Anti-corrosive Meta Seal Primer.

Available in four shades.  Red Oxide  Yellow Chromate  Grey  Black



AREA OF APPLICATION :

Structural Steel, Machinery & Equipment, Piping.
Can be use as a shop coat primer.

FEATURES & BENIFITES :

Anti Corrosive, Water Base, Flexible, Easy to apply, Thinner oil not required, Eco Friendly, High Bonding strength on metal Surface for paint

METHOD OF APPLICATION:

Surface Preparation: Surfaces contaminated by oil or grease should be cleaned with a solvent. Rust and loosely adhering particles should be removed by a wire brush or any emery cloth or paper.
Thinner Recommended: Plain pure water

APPLICATION :

By Brush, Roller & Spray at a pressure of 40 to 50 P.S.I.

DRYING TIME :

Recoating Time between coats: 4-6 hours.
Surface Dry: Less than 45 minutes
Hard Dry: Less than 12 hours
(Above properties depends on temperature and humidity)

TECHNICAL INFORMATION:

Type: Metal Primer (Water base)
Color: Red Oxide, Yellow, Grey, Black
Density: 1.35
Water dilution: 20%
Toxicity: Dry film is non toxic & lead free
Thinner / Cleaner: Clean Water

COVERAGE: 60 to 80 Sq.Ft./liter/coat.

PACKING : 1ltr, 4 ltr, 10 ltr & 20 ltr.

SHELF LIFE: 1 Year

MAX 5006/7 CRACK-X (Powder/Paste)

Cement based Polymer Powder/Acrylic Paste

MAX 5006/7 CRACK - X (powder/paste) is Non Shrink, High Strength, Water Resistance, Weather Proof & Durable is enhances the subsequent painting quality & life.

AREA OF APPLICATION :

MAX 5006 CRACK - X (powder) is for fill the static cracks of 3 to 5 mm sizes in internal horizontal or vertical areas of buildings & structures.

MAX 5007 CRACK - X (paste) is for fill the static cracks of 3 to 5 mm sizes in exterior horizontal or vertical areas of buildings & structures.



FEATURES & BENEFITS:

- Excellent bonding
- Water resistant
- Durable
- Non-shrink
- Easy to Apply
- Ready to use
- To level the undulation of the unplastered or plastered ceilings & walls before painting.

TECHNICAL INFORMATION:

MAX 5006 CRACK - X (powder)

Appearance: Free flowing powder
 Colour: White
 Bulk Density: 1.30 to 1.60
 Setting time@25°C, hours: 3 hrs
 Paint ability: Paintable
 Adhesion: Excellent adhesion to most Building material

MAX 5007 CRACK - X (paste)

Appearance: White Paste with Fibre
 Density gm/ml @30°C: 1.38 to 1.46
 Solid Content % @30°C: 78 to 82
 Viscosity Brookfield PS: 500 to 800
 Tack Free Time: Min 1
 Elongation %: 60 – 70
 Tensile strength MPa: 12
 Shore A: 70 - 75
 Shrinkage %: 18 – 20

COVERAGE :

MAX 5006 CRACK - X (powder)

1 kg powder with 500 ml water will fill a crack of 5x5 mm up to 37.5 linear meter

MAX 5007 CRACK - X (paste)

1 kg paste (ready to use) will fill a crack of 5 mm width by 5x5 mm up to 25 linear meter.

The coverage varies with different application.

PACKING : 500 gm & 1 kg

SHELF LIFE: Powder 1 Year & Paste 6 month

The background is a solid blue color with a low-poly, geometric pattern of various sized triangles. A large, thick white circle is positioned on the right side of the frame, partially overlapping the text.

SPECIAL PRODUCTS

MAX 6001 BOND MASTER

Multipurpose Epoxy Adhesive

MAX 6001 BOND MASTER is available in (two part) Resin and Hardener with formulated mixing ration to obtain high bond with various construction related products. I.e. metal, ceramic, stone, wood etc.

AREA OF APPLICATION:

Various construction range products like ceramic, vitrified tiles, natural stone, metal, wood, vulcanized rubber, plastic and concrete surfaces



ADVANTAGES :

Multi purpose, Good resistance to static & dynamic loads, Long open time, High shear and bond strength, Electric insulating, Easy to apply

TECHNICAL INFORMATION:

Properties	Resin (part 1)	Hardener (part 2)	When mixed
Colour (visual)	Creamy viscous	Amber	Pale yellow
Viscosity at 25 C(Cp)	50000	35000	45000
Pot life at 25°C	—	—	90 to 110 minute
Specific gravity	Ca. 1.17	Ca. 0.96	Ca. 1.06
Mix ratio	100	80	—

RECOMMENDED APPLICATION :

- Surface must be treated and must be dry before application Joint surfaces should be cleaned with a good degreasing agent such as acetone, iso –poplin for plastics, or any mechanical treatment to remove grease, oil, colour and dust.
- Recommended layer is 0.05 to 0.10 mm for great lap shear strength to a joint.
- Assemble the joint component immediately after application and till get proper cured.

STORAGE: store in room temperature 20 to 25°C, in factory sealed container

PACKING: 450 gm, 900 gm & 1.8 kg

SHELF LIFE: 1 Year

MAX 6002 FIBER

MAX FIBER is propylene based construction purpose fiber.

MAX 6002 FIBER is very light, highly resistant, Emerging as true crack-control reinforcement, “structural” fibers have gained a stronger foothold in concrete. It is the most common material for making micro fibers because of its alkali resistance. MAX 6002 FIBER use in fiber-reinforced concrete and mortars. Polypropylene fibers reduce the formation of plastic shrinkage cracks on concrete and increase the impact & shatter resistance. MAX 6002 FIBER also increase abrasion resistance in concrete floors and reduce bleeding. Moreover, they improve the elasticity and cohesiveness of mortars and screeds during placing. Meets the requirement of **EN 14889-2** standard.



ADVANTAGES:

- Reduced Bleeding.
- Flexural Toughness.
- Enhanced Impact Resistance.
- Fire Resistance.

TECHNICAL INFORMATION :

Material:	Modified Polypropylene
Color:	White
Diameter:	25 (±10%) μm
Length:	6/12/25mm (±10%)mm
Density:	0.91 g/cm ³
Melting point:	160-170°C
Ignition point:	570°C
Modulus of elasticity:	1.6 GPa
Tensile strength:	400 (±10%) N/mm ²
Tensile elongation:	25 (±10%)

REMARK:

Fibers do not replace concrete static reinforcement.

AREA OF APPLICATION :

Cementitious plaster, concrete, gypsum, plaster particle board, old and new surface etc.

DIRECTION FOR USE:

Fibers are added directly to the concrete or mortar mixing system while batching the ingredients.

DOSAGES: 125 gm/50kg bag of cement

PACKING : 125 gm

SHELF LIFE: 1 Year

MAX 6005 NANO SEAL

Anti-Efflorances Protector

MAX 6005 NANO SEAL is an APEO and Formaldehyde free Styrene Acrylic copolymer based Nano emulsion having certain functional group to impart following properties: (A) Good adhesion to cementitious surface (B) Excellent film formation (C) Good penetration to the porous surface due to Nano particle size of emulsion (D) Good alkali and water resistance (E) Good electrolyte stability (F) Improves the strength of the surface (G) Breathable.



Without



With

AREA OF APPLICATION :

Max 6005 Nano Seal is specially developed for deep penetrating primer for porous surface such as cementitious plaster, concrete, gypsum, plaster particle board, old and new surface etc.

To prevent excessive absorption, bonding between substrate and coating. Re-coat ability is good. Normally 150- 250 gm / sq. mt. is sufficient to good prime surface.

Viscosity, RVT, #2/20, CPS:	Max 500
pH:	8 – 10
Specific Gravity:	1.01-1.05
MFFT (°C):	17
Average Particle size, (nm):	60 - 70
Stabilization system:	Surfactant

COVERAGE: 50 to 60 Sq.Ft./Ltr

PACKING : 1 ltr, 5 ltr & 20 ltr

TECHNICAL SPECIFICATIONS:

Physical Appearance:

Bluish Translucent liquid

Chemical Composition:

Styrene Acrylic Co Polymer

Solid Content, %: 40 ± 1

SHELF LIFE : 1 years



PAVER PRODUCTS

MAX 1005 PAVE SEAL (S/B)

Sealer for Paver Block

MAX 1005 PAVE SEAL - (S/B) is a transparent acrylic UV TPR that provides resistance to weathering, foot traffic and offers UV and weathering properties. Typical applications include a clear acrylic UV TPR for Paver Block, Chequered Tile



ADVANTAGES :

- Color enhancement of pavers & tiles
- Excellent adhesion to paver block/tile
- Good abrasion resistance
- Resistance to weathering and UV
- Provides glossy finish
- Clear transparent coating
- Resistance to foot traffic
- Offers waterproofing properties
- Easy to apply

AREA OF APPLICATION :

For Sealing the Paver Block & Tiles

SURFACE PREPARATION :

Ensure that the surface to be sealed is free from rust, grease, oil & loose material before application

METHOD OF APPLICATION:

After proper surface preparation or cleaning, apply first coat of MAX 1005 Pave Seal (S/B) UV TPR coating by brush or roller depending in 30 to 40 micron thickness on the surface of application without any dilution. Allow drying for 24 hrs to hard dry.

TECHNICAL SPECIFICATION :

Chemical Base:	Specially engineered polymer acrylic
Appearance:	Clear transparent Liquid
Density:	1.25
Viscosity:	130

COVERAGE : 45 Sq. Ft. Ltr / Coat.

PACKING: 25 kg

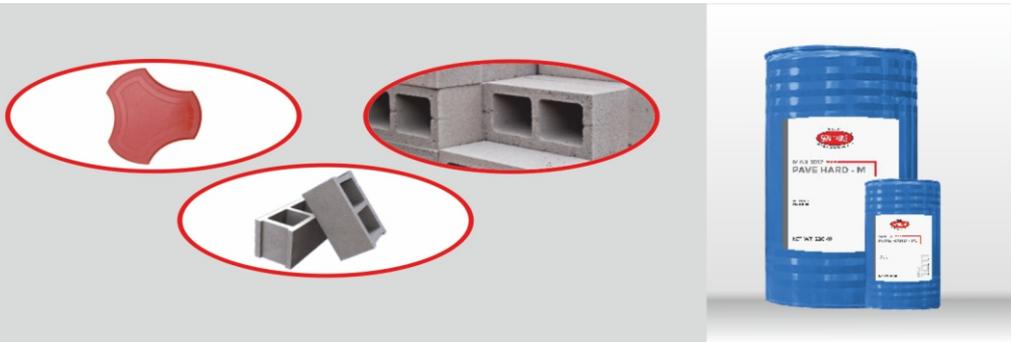
SHELF LIFE : 1 Year

MAX PAVE HARD

Fast set Paver Hardener

MAX 1010 PAVE HARD - R / MAX 1011 PAVE HARD - M /

MAX 1012 PAVE HARD - PC is a polymer based Accelerator for accelerating the setting time of Paver Block for the early strength development.



ADVANTAGES :

- Reduce water cement ratio
- Increase the rate of strength development
- Increase density of mix
- Accelerate the hardening of paver block
- Accelerate the setting time of concrete mix for Paver, Resistant to freezing in cold weather concreting.
- Can be used for PCC work and Hollow Blocks or concrete bricks making.
- Allows continuing placing of Paver Block at low temperature.

DOSAGE : 200ml to 400ml per 50kg of cement depend on whether condition.

METHOD OF APPLICATION:

Max 1010 PAVE HARD – R / MAX 1011 PAVE HARD- M / MAX 1012 PAVE HARD - PC should be directly added to the mix preferably with the mixing water. The optimum dosage rate should be determined by site trials.

EFFECTS OF OVER DOSAGE :

- A severe over-dosage will result in-
- Increase in the work ability of concrete.
- Retardation of Initial setting time.
- Does not affect the ultimate concrete strength.

PACKING: 20 kg , 50 kg & 220 kg

SHELF LIFE : 1 Year

The background is a vibrant green color with a subtle, low-poly geometric pattern of light green lines. A large, white, semi-transparent circle is positioned on the left side of the frame, partially overlapping the text.

INDUSTRIAL PRODUCTS

MAX 2001 BLOCK FIX

Premixed Polymerized Mortar

MAX 2001 BLOCK FIX is highly polymer enriched Ready mix Mortar needs to add clean water at site to prepare paste mortar, its quite easy to use, its specially designed for regular and hollow block masonry, brick masonry, and cracks between concrete and bricks etc. to obtained best performance due to improved tensile strength and high bonding. Its made from ISI grade cement, graded silica and polymers to have improved work ability with best performance.

It complies to **BS EN 998-1 & ASTM C 270**

Fire resistance as per **BS Class A1 EN 998-2, 2003**



TECHNICAL SPECIFICATION :

Composition:	ISI 53 grade Cement, designed sand, Polymer additives
Appearance:	Grey powder
Open Time Min:	40
Pot Life Min:	90
Bulk Density:	1475 kg/m ³
Grain size:	Up to 1 mm
Thickness after fixing the block:	2-3 mm
Compressive Strength:	> 9 MPa
Flexural Strength:	> 0.7 MPa
Tensile Adhesion Strength:	> 0.5 Mpa
Time to Plaster:	24 hrs
Time to Full Dry Hard:	14 ratio

FEATURES & BENEFITES:

- High Bond Strength
- High Thermal Insulation
- No Shrinkage Cracks
- Impact Resistant
- Premixed
- Zero Wastage

HOW TO APPLY: The surface must be clean, sound and free from any free contaminants. During acceptable temperature wet the existing surface/ block before applying MAX 2001 BLOCK FIX

Add 8 liter approx. Clean water to the 40 kg of MAX 2001 BLOCK FIX and mix with low speed mechanical mixer.

Apply the MAX 2001 BLOCK FIX paste mortar on block surface with trowel, press gently taking care that contact made proper with both the surface with mortar. Remove the excess material with wet sponge or cotton cloth before it gets set.

Protect the newly applied material from sunshine & wind.

COVERAGE:

210 to 220 Sq.Ft. on 3" block(600x200x75)

PACKING : 40 kg

SHELF LIFE: 1 Year

MAX 2002 RMP (Ready Mix Plaster)

Cement Based Dry Ready Mix Plaster

MAX 2002 RMP is a cementitious ready mix plaster used for traditional plastering works in a clean and speedy manner, while keeping a homogeneous mix. Due to its high content in additives, it allows better shrinkage control as well as improved work ability and curing. MAX 2002 RMP is recommended for external and internal plastering on block walls, ceilings, concrete surfaces, bricks and for general filling up. MAX 2002 RMP can be applied traditionally by - hand or by using modern plaster - spraying machines. It should not be painted surfaces or floors.



RECOMMENDED APPLICATION :

Apply the plaster on the prepared surface by spraying it or manually with a plastering trowel at a thickness between 5 and 10 mm in one layer. Finish the surface with a wooden or steel float as required.

FEATURES & BENEFITES:

High Strength, Save Times, Easy application, Minimum cracks, Higher coverage, Economical premix, Consistency, Hassle free, Minimum wastage, Good finish.

DO'S & DON'TS :

Do not make more quantity. Make the quantity that can be use in least possible time say within 30-40 minutes.

Otherwise more quantity will likely to start its plasticity and bonding will not be proper. Never add extra water once mix has set to make it thin.

TECHNICAL SPECIFICATIONS :

Colour:	Grey
Composition:	Portland cement, selected sand specific additives
Grain size:	0 to 2.5mm
Mixing Ratio:	7-8 liters per 40 kg bag
Powder Density:	1.75 + 0.10
Wet mix life:	2 hours at 20°C

COVERAGE : Approximately 25 sq.ft/ 40kg bag in 10 mm thickness.

PACKING : 40 kg bag.

SHELF LIFE : 1 Year

MAX 2003 HARD(metallic & non-metallic)

Floor Hardner

MAX 2003 HARD(metallic & non-metallic) is based on composed of best quality ordinary Portland cement, properly selected, graded washed & dry aggregates, polymer & additives. It is used as a concrete floor hardener for residential, commercial & industrial floors, because it forms a very high abrasion resistance to fresh concrete floor to allow heavy duty movements.



AREA OF APPLICATION :

- Heavy Industry
- Power Stations
- Agricultural buildings & yards
- Desalination Plants
- Distillation Plants
- Laboratories
- Steel Industries
- Warehouse floors
- Loading bays & workshops
- Railway platforms
- Cement concrete road
- Parking Lots

CONSUMPTION:

Light duty:	3.5 - 4.0 kg/m ²
Medium duty:	4.5 - 5.0 kg/m ²
Heavy duty:	5.5 - 6.0 kg/m ²
Layer Thickness:	2.5 - 3.0 mm

at dosage of 5kg/m²

TECHNICAL INFORMATION:

Chemical Base:	Natural mineral aggregates Graded & mixed with cement, admixtures & pigments
Appearance/Colour:	Natural concrete Grey powder
Colours Available:	French Gray, Brick Red, Terracotta, Green
Bulk Density:	1.5 ± 0.1 kg/L at +27 °C
Abrasion Resistance:	~1.70 mm wear loss (IS: 1237)
Surface hardness:	Between 8 and 9 (Moh's scale) (IS:13630 Part 13)
Compressive Strength:	≥ 70 N/mm ² (IS:4031 Part 6)

PACKING: 25 kg

SHELF LIFE : 1 Year

MAX 2004 MICRO CONCRETE

General purpose, High Tensile, Non - shrink Cementitious Micro Concrete.

MAX 2004 MICRO CONCRETE is a ready to use non – shrink, high strength, free flowing repair mortar which requires only the site addition of clean water. MAX 2004 MICRO CONCRETE is based on OPC, graded aggregates, binders, fillers and additives which impart controlled expansion characteristics in the plastic state, while minimizing water demand. For larger repairs, the mixed MAX 2004 MICRO CONCRETE may be modified by the addition of 5mm to 12mm clean, dry graded aggregates on site.

It compiles to **BS 4551 – 80 & ASTM C 827 - 1987**



RECOMMENDED APPLICATION :

Surface preparation : Concrete surfaces must be structurally, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence oil and all other contaminants.

Priming : Clean and prime exposed steel with Max Rust Remover & Max Prime Zink. Alternatively, all prepared concrete substrates should be primed using Max bond SBR -031.

RECOMMENDED FOR :

- Repair of damaged reinforce concrete elements like beams, columns, wall etc. where access is restricted & compaction is not possible.
- For Jacketing of RCC columns to increase load-taking capacity (strengthening of a vertica members.

TECHNICAL SPECIFICATIONS :

Form: Powder
 Wet Density: 2100-2200 kg/m³
 Compressive Strength: 50 N/mm²@28days
 Tensile strength: 2 N/mm²@28days
 Flexural strength: 5 N/mm²@28days
 Unrestrained Expansion Characteristics:

1 to 4%
 W/P ratio: 0.16
 Chloride Content: 0.2%
 Water Absorption after 24 hours: 0.2%
 Shrinkage: Nil
 Mixing Ratio: Water: Powder (0.14 to 0.16)
 Pot Life: 20min

Yield: 25 kg bag of MAX 2004 MICRO CONCRETE will yield approxi.: 13 to 16 Ltr.

Consumption: 1.3m²/25kg-10mm thickness

PACKING : 25 kg

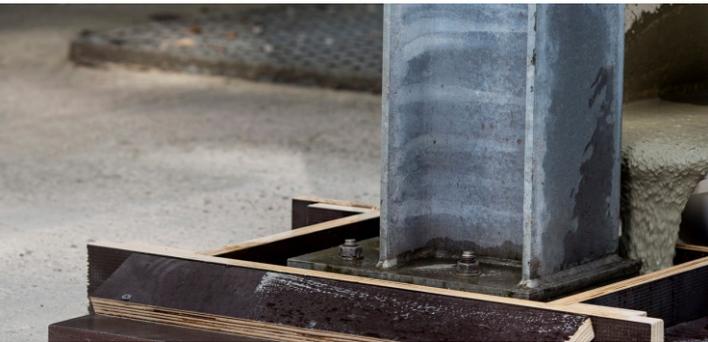
SHELF LIFE : 1 Year

MAX 2005 CRETE (GP2/HS)

General Purpose, Non Shrink, Free Flow Cementitious Grout

MAX 2005 MAXCRETE (GP2/ HS) are specially formulated grouts for trouble free foundation of industrial machinery and other grouting needs. It is designed from Portland cement, special graded fillers and selected chemical additives to impart strength, flow and compensate dual shrinkage, ensures effective contact and support.

AREA OF APPLICATION: Industrial machinery foundations, Drill holes in rock & concrete structures. Stabilization of rock structures & embankments, Anchoring of bridge bearing etc., base plate grouting of steel stanchions, steel trusses etc., Maxcrete GP is recommended for medium & high machinery foundations.



ADVANTAGES :

- Trouble free performance.
- Gaseous expansion system compensates for shrinkage problems.
- Control expansion ensures surface contact after setting.
- High ultimate strength combined with dense impermeable structure.
- No metallic particles, so non rusting. No metallic iron content to corrode, & cause staining or deterioration due to rust expansion.
- Imparts high frost, fire & oil resistance.

YIELD: 25 kg bag of MAX 2005 CRETE (gp2/hs) will yield approximately 3.75 to 4 Ltr. (15% water).

TECHNICAL SPECIFICATION:

Form:	Powder + Grain (Fillers)
Base:	Cementitious
Bulk Density:	GP : 2170 Kg/m ³ HS : 2200 Kg/m ³
Chloride:	Nil
Color:	Grey
Curing:	7 days (minimum)
Compressive strength:	60N/mm ² @28 days
Flexural strength:	10N/mm ² @28 days
Tensile strength:	3.5N/mm ² @28 days
Coefficient of thermal expansion:	11 x 10 ⁻⁶ /°C
Young's Modulus:	28kN/mm ²
Fresh wet density:	Approx. 2220kg/m ³ depending on actual consistency used

PACKING : 25 kg

SHELF LIFE : 1 Year

MAX 2006 MAXOULD LIQ

Concentrated and emulsified chemical mould release Agent.

MAX 2006 MAXOULD LIQ is a vegetable oil based, eco-friendly shuttering oil supplied as amber brownish liquid, which turns off-white when diluted in water. It produces a chemical release agent to form a thin film on the surface of the form work, which enables easy stripping from the hardened concrete.

USES:

MAX 2006 MAXOULD LIQ is used for easy, stain free release of concrete moulds and form work of all types including MIVAN Shuttering



FEATURES AND BENEFITS:

Non-staining: No cleaning of oil stains, **Excellent quality:** Delivers fair faced smooth finish concrete, **Versatile:** Can be used on all types of moulds, **Concentrate form:** Reduces storage and transportation costs, **Eco-friendly:** vegetable oil based, bio-degradable.

APPLICATION:

MAX 2006 MAXOULD LIQ in ration of 1:5 with clean water, using a clean container and stirring thoroughly until evenly mixed. If the solution is not used the same day, it should be stirred again before use.

New moulds: No preparation is normally necessary. Metal moulds showing signs of rust must be wire brushed and cleaned before application.

New Woodwork: Untreated timber and Plywood may require a second coat of **MAX 2006 MAXOULD LIQ** for first application only. Treated woodwork should require just a single coat.

TECHNICAL SPECIFICATIONS :

Appearance: Amber Brownish Liquid
Turns off-white after dilution
Dilution: 1 :5 (by volume)
Density: 0.94 – 0.96 at 27°C
Viscosity: 25-35 sec at 27C (B4 cup)

COVERAGE : 1:5 water dilution covers 80-160 m² depending on the form work. Untreated timer or plywood: 80-100 m²/6 ltr of solution. Metal or treated timber: 120-160m²/6 ltr of solution

PACKING : 20 ltr & 200 ltr

SHELF LIFE : 1 Year

MAX 2008 MAXBOND EP (Epoxy Bonding Agent)

MAX 2008 MAXBOND EP (Epoxy Bonding Agent) is based on solvent free epoxy resins containing pigments and fine fillers. It is supplied as a two part material in pre-weighed quantities for ready onsite mixing and use. Coloured components - white base and green hardener - provide visual evidence that adequate mixing is achieved.

AREA OF APPLICATION: For bonding fresh wet cementitious materials to existing cementitious surfaces. For use on horizontal surfaces or on vertical surfaces where mortar or concrete can be supported by form work. The product is ideal for roads, bridges, pavements, loading bays and factories, building segment and for bonded or granolithic floor toppings. It is equally suited to internal and external applications.



FEATURES AND BENEFITES:

MAX 2008 MAXBOND EP (Epoxy Bonding Agent) can be applied by brush.

More overlay time : Enables to place the concrete for longer period of time, without risk of delamination, High bond strength : Bond strength is more than the tensile strength of good quality concrete, Barrier coat: Acts as a 'barrier coat' to the migration of chloride ions from host concrete, Can be applied on to dry or damp substrates.

APPLICATION:

Mixed material should be brushed applied on the prepared surface, Overlay of concrete / mortar has to be placed on MAX 2008 MAXBOND EP (Epoxy Bonding Agent) when it is tacky. In case MAX 2008 MAXBOND EP (Epoxy Bonding Agent) has dried, apply a 2nd coat before placing the concrete / mortar.

Precautions & Limitations:

MAX 2008 MAXBOND EP (Epoxy Bonding Agent) should be applied on old concrete surface, Before MAX 2008 MAXBOND EP (Epoxy Bonding Agent) get tack free, apply new concrete or mortar, If applied coating gets fully dry then apply 2nd coat over it.

TECHNICAL SPECIFICATION:

Mix Density, kg/m ³ :	1120
Pot Life@30°C, mins:	± 30 - 40
Tack free time @30°C, hrs:	1-2
Compressive Strength, 7days, N/mm ² :	50
Flexural Strength, 7days, N/mm ² :	35
Tensile strength, 7days, N/mm ² :	20
Shear Bond strength:	Concrete failure

PACKING : 1.5 kg

SHELF LIFE : 1 year

MAX 2009 MAXBOND EP (Epoxy Mortar)

MAX 2009 MAXBOND EP (Epoxy Mortar) is based on a high quality solvent-free epoxy resin system. The special silica aggregates provide high strength & excellent abrasion resistance. It is a three - component material supplied in pre-weighed quantities ready for on-site mixing and use.

AREA OF APPLICATIONS: It is used for the fast and permanent reinstatement of concrete, particularly where high strength, abrasion resistance and chemical resistance are required. It is ideally suited for acid tanks, sea walls, industrial floors and for use as a bedding mortar. It can be used for emergency repairs where fast strength gain is important. When properly compacted, the mortar is highly impermeable.



FEATURE & BENEFITS :

High ultimate strength - Suitable for structural use, Early development of strength Minimises disruption, Abrasion resistance - Suitable for heavy traffic areas, Highly resistant - To a wide range of chemicals, Will cure under damp conditions - Cured product is highly impermeable to water, Typically twice as strong as good quality concrete, Pre-weighed components ensure consistency

TECHNICAL SPECIFICATION:

Specific Gravity at 20°C:	2.00
Consistency:	Trowelable mortar
VOC Content:	Nil
Maximum Depth:	50mm
Minimum Depth:	5mm
Pot Life:	20 min
Light Loading:	10 hours

Full Loading:	2 days
Application Temperature:	60°C
Compressive Strength, 7 days N/mm ² :	50
Flexural strength, 7 days N/mm ² :	18
Tensile strength, 7 days N/mm ² :	8
Bond Strength:	Concrete failure
Thermal Coefficient:	20 x 10 ⁻⁶ mm/°C
Pot life:	20 mins @ 35°C
Initial hardness:	24 hours
Full cure:	7 days
Fresh wet density:	1900-2100 kg/m ³
	Fully compacted
Chemical resistance:	Resist

COVERAGE : 2-3 Sq. Mt. / kg / 5 mm thickness

PACKING : 5kg

1 kg + 0.5 kg + 3.5 kg.

Pack (Resin + Hardner + Silica)

SHELF LIFE : 1 year

MAX 2010 RUST-O-CON

Water based Rust Converter

MAX 2010 RUST-O-CON is greenish acidic clear ready to use rust converter. Its convert the rust in protective coating.

It compiles to **IS 13515:1992, BS EN 12508:2000**

AREA OF APPLICATION:

On re-bars during repairs to reinforced concrete structures. Maintenance of mild steel structures like tanks, water pipelines, shuttering plates and other corroded steel



ADVANTAGE:

Converts rust in protective coating, Does not negatively affect rebar's adhesion to concrete, Can be applied under varying weather conditions. **Ease of application** - Ready to use, easily applicable by brush. **Penetration & effect** - Effective rust removal even from areas difficult to reach & penetrate. **Chloride free** - Contains no chloride hence no chance of enhancing further corrosion. **Economical** - Cost effective because of good coverage.

APPLICATION:

Apply it on affected surface by using cotton waste swab or by brush application. Leave the surface to react with it for at least 15 to 30 minutes. The rusty surface will change its colour to original blackish steel, remove the same with cotton cloth. Then remove the loose rust particles by scrubbing or simple dusting with the brush. Wash the steel

surface with water jetty to remove all the acidic residue left on the bar, clean with cotton cloth.

FINISH:

When applied over corroded reinforcement steel, wash the surface with clean water before taking up further work of repairs.

COVERAGE : Approximately 110 to 130 Sq.Ft./Ltr depend upon Rusted Surface

Coverage in Running Feet per Ltr.

Bar Size	Running Feet
8 mm	460
12 mm	300
16 mm	200
20 mm	170
25 mm	130
32 mm	80

PACKING : 200 ml, 500 ml, 1 Ltr, 5 Ltr, 10 Ltr & 20 Ltr

SHELF LIFE: 1 Year

MAX 2011 SEM PMM (Polymer Modified Mortar)

Polymer Modified Mortar.

MAX 2011 SEM PMM is a ready-to-use dimensionally stable cementitious fibre reinforced structural grade repair mortar. It produces a dense, high strength repair mortar, with excellent bond characteristics to steel and concrete.

AREA OF APPLICATIONS : Used for general repairs in industry, infrastructure, residential and commercial segment. Repairs to reinforced or pre-stressed slabs, beams or columns. Repair of structural members subjected to repetitive loading. Applications to restore concrete cover. For renovating and resurfacing concrete structures such as tunnels, bridges, retaining walls, beams columns, building facades, ceilings, balconies and more.



FEATURES & BENEFITS :

Dual Shrinkage compensated: fibrous rich polymer which reduces cracking tendencies **Durability:** R4-class mortar of EN 1504- part 3 hence durability of the structure enhances **Excellent adhesion to both old concrete:** ≥ 2 MPa in accordance to EN1504 - 3 **User friendly:** specifically developed to provide an easy to-apply product, suitable for local conditions and can be applied 30mm in each layer **Fast and easy placing:** reduced time for repairs

PRECAUTIONS & LIMITATIONS:

Strictly follow water-powder ratio as specified, Ensure full circumference exposure of reinforced steel Consult structural engineer if the diameter of rebar is reduced by more than 20% of the original diameter, Replacement or provision of additional steel shall be done

in consultation with structural

consultant, The product during application should not be exposed to running water or prior to final setting, Curing is not advised by means of water ponding.

TECHNICAL SPECIFICATION:

Appearance: Powder, Colour: Grey
 Water Product ratio by weight: 0.17-0.18
 Fresh Wet density. Kg /m³: 2200 \pm 10
 Compressive strength BS:6319:part2
 N/mm²: 1 day:15, 7 day:35, 28 day:45
 Flexural strength BS: 6319: part 3 N/mm²
 28 day: 8
 Tensile strength BS: 6319: part 7 N/mm²
 28 day: 4.5
 Bond strength ASTM: C 881N/mm²
 28 day: ≥ 2

COVERAGE : 1.4 m² /25 Kg pack at 10mm thickness Yield - 14 ltr. at W/P ratio of 0.18

PACKING : 25 kg

SHELF LIFE: 1 Year

MAX 2012 CRETE EP/LV

Low Viscous, Two part Epoxy Grouting System

MAX 2012 CRETE EP/LV is a solvent free crack injection material composed of very low viscous liquid epoxy resin & hardener system. MAX 2012 CRETE EP/LV is used to seal & inject cracks in concrete floors, walls & structures. It provides deep penetration, shrink free solid mass, strong bonding inside the cracks and excellent resistance to honey combing & chemicals. It complies to **BS 6319 & ASTM C 881** standards.

APPLICATIONS : Permanent Repair of crack in floors, walls, tanks & sea walls, Injection in to cracks & honey combing in concrete & masonry.



FEATURES & BENEFITS :

Bonding- Seals & bonds strongly with cracks of concrete, floors & walls and provides smooth working surface & avoids damage of the concrete substrate, **Penetration-** Low viscosity helps in deep penetration into the cracks. Thus seals the cracks permanently, **Repairs-** Because of low viscosity, strong bonding, higher strength development than parent concrete, shrink free nature & waterproofing characteristics, makes it suitable for repairs of heavy concrete structures like bridges, dams, buildings, etc, **Resistant-** Resistance to aggressive chemicals, corrosion, abrasion & dust formation, **Moisture Insensitive-** Excellent adhesion to cement substrate even under salt water & moisture.

PRECAUTIONS & LIMITATIONS:

Do not dilute the material with solvents to reduce the viscosity.

TECHNICAL SPECIFICATION:

Pot life, minutes @30°C:	80-150
Sp. Gravity @ 20°C:	1.1 ± 0.05
Initial setting time, Hrs:	6
Compressive strength BS 6319 : part 2 N/mm ² :	1 day:>40, 7 day:>70
Flexural strength BS: 6319: part 3 N/mm ²	28 day: >30
Tensile strength BS: 6319: part 7 N/mm ²	28 day: >15
Water permeability, %:	NIL
Bond strength, kN:	Concrete Failure
Viscosity @30°C, CPS:	200-400
Mixing Ratio, by weight:	2 : 1 (A:B)

COVERAGE:

Yield Fresh mix density 1.02 kg/ ltr.

PACKING : 1.5 kg

SHELF LIFE: 1Year

MAX 2013 FLOW EPOXY SL

MAX 2013 FLOW EPOXY SL is a 3 Component epoxy system Formulated using 100% solvent free Bisphenol A along with Epoxy Hardener in order to provide self-leveling High-Gloss Epoxy Toppings with very Low VOC.

APPLICATIONS: Coatings Floors in automobile. Engineering, Pharmaceuticals, Tool Rooms, Machine Shops, Food & Chemical Manufacturing units etc. Special grade Epoxy especially to suit transformer industry where high loads are moved on air castors.



TECHNICAL SPECIFICATIONS :

Compressive Strength(psi):	6500-7000
Tensile strength(psi):	2000-2200
Flexural strength(psi):	4000
Shades:	RAL
Pot Life@30°C:	45 minutes

DRYING CHARACTERISTICS:

Drying time: 12 hours after application.
Walk dry 24 hours. Full load minimum 48-60 hours@30°C.

METHOD OF APPLICATION:

Primer: Apply MAX 2013(P) FLOW EPOXY SL Primer on dry surface@ 150 gm/Sq² meter approximately & do not mix it with any filler. In case of damp or under prepared or old surface use MAX 2013(P) FLOW EPOXY SL

Usage Instructions: Open the resin can and mix it with pigment. Use 300grams of pigment in case of dark shades or up to 350 grams in case of very light shades. Mix the pigment & Resin for few minutes & add filler slowly & mix unit a thick free flow solution is made. Add Hardener & mix for 2-3 minutes. Apply using Notch Trowel of required size & finish using spike rollers. Application Thickness 1-2mm.

PACKING : 25 kg.

SHELF LIFE: 1 Year

MAX 2016 MAXOULD LIQ-P

High performance environmental friendly Ready to use mould release Agent

MAX 2016 MAXOULD LIQ-P is a vegetable oil based, form release agent supplied as amber colour liquid. It forms a thin film on the surface of the form work, which enables easy stripping from the hardened concrete to produce smooth uniform finish with reduced incidence of blow holes.

USES:

MAX 2016 MAXOULD LIQ-P is used for easy, stain free release of concrete moulds and form work of Steel, fiber glass and timber/woodwork including MIVAN Shuttering.



FEATURES AND BENEFITS:

Water resistant barrier: ensures fast, clean stripping of forms, **Extends life of form work:** non-staining fair faced concrete, **Ready to use:** Placement up to 3 weeks before concreting, **Eco-friendly:** vegetable oil based, bio-degradable

APPLICATION:

MAX 2016 MAXOULD LIQ-P before the first casting and thereafter re-apply immediately after stripping and cleaning the mould.

Coat the formworks liberally before storing to keep them rust free. To return forms to service, sweep down and re-coat with it.

HOW TO USE:

It should be applied using roller brush or lightweight horticultural sprayer (knapsack type), Only one coat should be applied, as thin as possible, except on very absorbent new timber where two coats may be necessary for first application only. Placement up to 3 weeks before concreting

will not affect the performance, Before re-use of form work: The cleaned form work surfaces must be re-coated with it each time as per normal practice.

TECHNICAL SPECIFICATIONS:

Appearance: Amber colour liquid
Flash Point: > 100°C
Density: 0.86 – 0.93 at 27°C
Viscosity: 25-35 sec at 27°C (B4 cup)

COVERAGE:

30-70 m²/liter depending on the smoothness and porosity of the form work.
Untreated timber/plywood: 30-45 m²/lt.
Metal or treated timber: 45-70 m²/lt

PACKING : 20 ltr & 200 ltr

SHELF LIFE: 1 Year

CLIENT LIST



CLIENT LIST



Nagarjuna Construction Company Limited



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