

magicrete
**MAGIC
SHIELD**
WATERPROOFING SOLUTIONS



aapke ghar ka suraksha kavach

We help people build their homes better, faster and cheaper by use of innovative construction technologies.



MAGIC SHIELD

Complete range of waterproofing solutions



Unibond SBR

MagicShield - Unibond (SBR) is a modified styrene butadiene liquid emulsion that works as a ready-to-use bonding agent for repairing spalled concrete floors, columns, beams, and slabs. Its bonding capabilities also work well when bonding old concrete and mortar to new layers of concrete and mortar.

Features

Anti- Erosion/Corrosion

SBR has a first of its kind built in, intrinsic corrosion inhibitor technology which aids in it becoming resistant to erosion and corrosion

Anti-Hydrolysis Agent

Does not breakdown when it comes in contact with water molecules, hence it is immune to hydrolysis. Due to this quality, it can be used for external applications

Weather Resistant

It provides mortar with better endurance, and ability to prevent chlorides and other harmful substances from passing through

Tough/ Resilient

It has increased resilient properties, while also increasing the toughness and hardness of cementitious film or mortar. It further prevents the generation of dust

Non-Crack Forming

Averts crack formation by enhancing its ability to bend, hence increases flexural strength. It furthermore curtails shrinkage cracks related to drying and aging

Suitable For

Waterproofing Underground / Overhead Concrete Tanks, Toilets, Bathrooms, Roofs. Also For Repairing Spalled Concrete Floors, Columns, Beams, Slabs & Cracks In Masonry.

Packaging: Available in 200 gm, 1 kg, 5 kg & 20 kg packs.

Dosage: 10 ltr per 50 kg bag of cement. (For other dosage information refer to technical data sheet.)

Technical Specification

Appearance	Milky White
Specific Gravity at 250°C	1.01 +/- 0.02
pH Value	7 - 9
Pot Life	30 - 45 mins at 30° C
Chemical Resistance	Resists to mild acids, alkalis, sulphates
Freeze Resistance	Excellent Resistance
Shelf Life	24 months in the original packaging
Tensile Strength (N/mm ²)	Passes the specification ASTM C 190-85
Flexural Strength (N/mm ²)	>9
Compressive strength N/mm ²	Passes the specification BS 6319 part 2:1983



Unimix IW+

MagicShield - Unimix IW+ is a cutting-edge waterproofing compound with an enhanced formula for superior water resistance abilities. The super UNIMIX IW+ formula consists of surface-active plasticizing agents, polymers, and other additives. It ensures that the concrete becomes cohesive and thereby highly resistant to water.

Features

Impermeable

Water is unable to permeate into concrete because of its specially designed active ingredients which ensure the concrete remains waterproof.

Corrosion Resistant

Consists of effective corrosion inhibitors that resist and protect steel against corrosion.

Cohesive

Provides added cohesion, thus extensively reducing segregation and bleeding.

Compatible with Concrete/Mortar Mix

Highly adaptable compound that fuses effortlessly with cement, concrete, mortar and plaster mixes

Improves Workability

Enhances workability and pump ability of newly mixed cement concrete. Furthermore, it improves the surface finish of concrete

Suitable For

Waterproofing Of Concrete and Sand Cement Mortar Used In Bathrooms, Basements, Roof Slabs, Balconies, External Plastering, Water Tanks & Swimming Pools.

Packaging: Available in 1 lt, 5 lt, 20lt.

Dosage: 200 ml per 50 kg bag of cement

Technical Specification

Appearance	Light brown transparent free flowing liquid
Specific Gravity at 250°C	1.05 +/- 1.070
pH Value	9 - 13
Non Volatile Content	13.5 - 14.5%
Chloride content	Max. 2.00%
Water permeability	Passes
Compressive strength N /mm ²	As per standard IS:2645-2003
Final Setting Time	30 - 600 mins, as per IS:2645-2003



BathPRO Advanced

MagicShield - BathPRO Advanced is a high performing, elastomeric waterproofing coating agent that consists of two parts, polymer-modified acrylic and cementitious powder. The product is excellent for waterproofing and protecting concrete structure that may be exposed to acidic gas, chloride ions, oxygen, and water.

Features

Impervious

Works as a great barrier in blocking carbon dioxide, chloride and sulphate ions

Anti corrosive/erosion

It provides mortar with better endurance, and ability to prevent chlorides and other harmful substances from passing through

Anti Efflorescence

Encompasses long lasting anti-efflorescence properties

Weatherproof

Has superior resistance to all kinds of climate conditions and protects from ill effects of weathering impacts

Non-Toxic

Ideal for portable water tanks as it is safe and completely non-toxic

Suitable For

Waterproofing Bathrooms, Toilets, Balconies, Water Tanks, Drainage Culverts & Basements.

Packaging: Available in 3 kg and 15 kg.

Coverage: ~ 1kg/m² @ 1mm thickness

Technical Specification

Mixing Ratio	3:1 (A:B)
Polymer Content	18%
Water Absorption	<6%
Set-to-touch Time	45 Minutes
Elongation	60%
Tensile Strength	2.5 N/mm ²
Adhesion to substrate	0.80 N/mm ²
Adhesion to concrete	1.75 N/mm ²
Immersion in water adhesion to concrete at 7 days	1.00 N/mm ²



RoofPRO Advanced

MagicShield - RoofPRO Advanced is a premium fiber-reinforced waterproofing coating that is composed of very elastic and resilient acrylic polymers, graded fillers, weather durable pigments, additives, microfibers and high quality biocidal, and mixed in a water medium. It is usually used as a 3 layer coating systems for structures where high-performance waterproofing is necessary.

Features

UV resistant and Weatherproof

Provides a long-lasting protection against UV and weather-related deterioration and degradation

Abrasion resistant

Is highly resistant abrasion, due which, it is comfortably able to accept foot traffic without any requirement for additional protective coating

Tensile strength and Bonding

Imparts much higher tensile strength, making it resistant to tears and cracks, and providing better bonding strength with cementitious substrates

High film build-up

Contributes to a considerably thicker dry film of 1.2 mm that is applied over three coats

Easy overcoating

Can be easily over coated over existing surfaces that were in the past coated with acrylic based elastomeric coatings

Suitable For

Waterproofing Roofs / Terraces and Podiums.

Packaging: Available in 4 & 20 lit.

Coverage: ~2.25 m²/l/coat (3 coats required)

Technical Specification

Appearance	Milky White
UV Resistant	Excellent
Water Vapor Transmission	19 g/m ² /day
Solid Content	60 +/- 5 %
Crack Bridging Ability	Upto 2 mm
Fungus Resistant	Satisfactory
Tensile Strength	>0.9 N/mm ²
Adhesion Bond Strength	1.0 N/mm ²
Chloride Permeability	Very Low
Water Permeability - at 5 bar pressure	Nil



WallPRO

MagicShield - WallPRO is a nanotechnology-based, fiber-reinforced elastomeric liquid waterproofing shield that is formulated with elastomeric and resilient acrylic polymers and reinforcing polyester fibers. The product forms a thick, seamless, and durable membrane upon curing that offers protection and becomes the ultimate waterproofing shield.

Features

Flexible

Due to its elastomeric qualities, WallPRO possesses an ability to bridge cracks up to 2 mm effectively, thus not letting water seep through the micro-cracks.

Microbial resistance

It possesses exemplary resistance to fungus and algae, therefore ensuring the maintenance of aesthetic value.

Form Tough Film

Possesses a tough film that can withstand wind driven rain and has it a superior film thickness which makes it excellent at waterproofing

UV and IR resistance

Superior resistance to UV and IR, thus this coating has a much higher longevity

Anti-corrosive

It provides superior resistance to carbonation, reducing the diffusion of CO₂ and chloride ions. Hence, it protects the re-bars against the onset of corrosion in case of structural concrete

Suitable For

Waterproofing Of All Types of Exterior Surfaces Like Parapet, Sunshades, Exterior plastered Surfaces, Concrete, Cement Sand Renderings and Asbestos.

Packaging: Available in 4 & 20 liters bucket.

Coverage: ~5.5-6.0 m²/L/coat (2 coats required)

Technical Specification

Appearance	Single Component Emulsion
UV Resistant - 1000 hrs Exposure	No Defects
Drying Time	30 Minutes
Gravity	1.31-1.35
Algae and Fungus Resistant	No growth
Crack Bridging Ability	Upto 2mm width
Tensile Strength	1.5 N/mm ²
Adhesion Strength	1.0 N/mm ²
Elongation	>100%
Water Permeability	6

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Magicrete Building Solutions Pvt. Ltd.

(ISO 9001/ ISO 14001/ OHSAS 18001 Certified Co.)

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