



TIGONISTM

A WIDE RANGE OF
BUILDING & CONSTRUCTION MATERIALS

PUTTY | PAINTS | ADHESIVES | DRY MIX MORTAR
WATERPROOFING | CONSTRUCTION CHEMICALS

A COMPREHENSIVE PRODUCT GUIDE

TILE | STONE | BLOCK FIXING SOLUTIONS

TIGONIS TILE ADHESIVES provide a range of dry mix mortar tile and stone fixing solutions over a variety of substrates in different conditions, available in total of 5 variants; all complying with global EN and BIS standards for tile and stone fixing.

Tigonis Tile Adhesives - Super

Standards: Tigonis Tile Adhesive Super complies with the adhesion requirements of IS 15477:2019 Type 1 – Grey Color

Pack Size: 20 Kg, 30 Kg

Coverage Estimates: Coverage up to 2.25 sq ft / per kg with 3 mm thickness. Pack size Coverage 20 kg approx. 45 sq ft and with Pack size 30 kg approx 68 sq ft using a 6 mm × 6 mm square notch trowel. Note: Coverage will depend on the nature and flatness of the surface and the method of application. For good coverage, it is must that all surfaces are smooth, plumb, level and free from defects and undulations.

Application Areas: Interior Floor, Walls (Up to 2 feet)

Tile Size: Interior Floor application – Up to 2 ft by 2 ft

Interior Wall application – Up to 1 ft by 1 ft

Type of Tile: Ceramic, Clay tiles, any tile with porosity more than 3%

Bed Thickness: Up to 6 mm bed thickness

Substrate: Cementitious, plastered walls, Concrete, Cement - lime mortars, Screed



SUPER

Tigonis Tile Adhesives - Premium

Standards: Tigonis Tile Adhesive Premium complies with the adhesion requirements of IS 15477:2019 Type 2 – Grey & white Color. Available in a quick setting variant as well.

Pack Size: 20 Kg, 30 Kg

Coverage Estimates: Coverage up to 2.25 sq ft / per kg with 3 mm thickness. Pack size Coverage 20 kg approx. 45 sq ft and with Pack size 30 kg approx. 68 sq ft using a 6 mm × 6 mm square notch trowel.

Note: Coverage will depend on the nature and flatness of the surface and the method of application. For good coverage, it is must that all surfaces are smooth, plumb, level and free from defects and undulations.

Application Areas: Interior Floor, Interiors, Walls (Up to 6 feet), Tile on Tile applications after acid wash or chipping or chipping of base tiles

Tile Size: Interior Floor application – Up to 4 ft by 2 ft Interior

Wall application – Up to 2 ft by 2 ft

Type of Tile: Ceramic (floor + wall), Vitrified tiles (Floor + wall up to 2 ft by 2 ft), Clay tiles, Stone, Mosaic, Large Tiles for interior applications, Tiles with porosity less than 3% for interior applications

Bed Thickness: Up to 12 mm bed thickness

Substrate: Cementitious, plastered walls, Concrete, Cement - lime mortars, Screed

PREMIUM 'T'

PREMIUM



Tigonis Tile Adhesives - Ultra Premium

Standards: Tigonis Tile Adhesive Ultra Premium complies with the adhesion requirements of IS 15477: 2019 Type 2 – Grey & white Color. Available in a quick setting variant as well.

Pack Size: 20 Kg, 30 Kg

ULTRA PREMIUM 'T'

Coverage Estimates: Coverage up to 2.25 sq ft / per kg with 3mm thickness. Pack size Coverage 20 kg approx. 45 sq ft and with Pack size 30 kg approx. 68 sq ft using a 6 mm x 6 mm square notch trowel.

Note: Coverage will depend on the nature and flatness of the surface and the method of application. For good coverage, it is must that all surfaces are smooth, plumb, level and free from defects and undulations.

Application Areas: Interior Floor, Interior Walls (Up to any height), Tile on Tile applications on floor and wall

Tile Size: Interior and exterior Floor application – Up to any size Interior Wall application – Up to 5 ft by 2.5 ft

Type of Tile: Ceramic, Vitrified tiles, Clay tiles, Stone, Mosaic, Large Tiles for interior applications, Tiles with porosity less than 3% for all interior applications

Bed Thickness: Up to 12 mm bed thickness

Substrate: Cementitious, plastered walls, Concrete, Cement - lime mortars, Screed



ULTRA PREMIUM

Tigonis Tile Adhesives - Platinum

Standards: TigonisTile Adhesive Platinum complies with the adhesion requirements of IS 15477: 2019 Type 3 – Grey & white Color. Available in a quick setting variant as well.

Pack Size: 20 Kg, 30 Kg

PLATINUM 'T'

Coverage Estimates: Coverage up to 2.25 sq ft / per kg with 3 mm thickness. Pack size Coverage 20 kg approx. 45sqft and with Pack size 30 kg approx. 68 sq ft using a 6 mm x 6 mm square notch trowel.

Note: Coverage will depend on the nature and flatness of the surface and the method of application. For good coverage, it is must that all surfaces are smooth, plumb, level and free from defects and undulations.

Application Areas: Interior Floor, Interior Walls (Up to any height), Tile on Tile applications on floor and wall, Exterior floor and wall, Ceilings

Tile Size: Interior & exterior Floor application – Up to any size Interior & exterior Wall application – Up to 5 ft by 2.5 ft

Type of Tile: Ceramic, Vitrified tiles, Clay tiles, Stone, Mosaic, Large Tiles for interior & exterior applications, Tiles with porosity less than 3% for all applications

Bed Thickness: Up to 12 mm bed thickness

Substrate: Cementitious, plastered walls, Concrete, Cement - lime mortars, Screed

PLATINUM



Tigonis Block Joining Mortar is a high strength adhesive for quick and firm laying of AAC Blocks, fly ash bricks, concrete blocks, etc with thin joints. It's a factory-mixed mortar made up of cement, graded stones, blended with polymers to deliver high strength and water retention properties even when in thickness of 2 -3 mm.

ADVANTAGES:

- ◆ High bonding strength
- ◆ High surface area coverage
- ◆ Helps to reduce shrinkage, cracks or shortness
- ◆ No post layout curing required
- ◆ High thermal insulation properties
- ◆ Economical and easy to use
- ◆ Minimum wastage
- ◆ Premixed and ready to use product

TECHNICAL INFORMATION:

Colour	Grey Powder mixture
Dilution	25-30% with water by weight
Pot Life	1.5-2 hours (Usually it is lesser)
Coverage (600 mm × 200 mm × 200 mm AAC Blocks)*	1.8 -2 m ³ /40 kg bag
Pack Size	40 KG
Areas of Application	AAC Block & CLC Block
Tensile Adhesion Strength	> 0.68 MPa @28 days
Compressive Adhesion Strength	> 14.9 MPa @ 28 Days

*Depending on the desired application.

Manufactured as per BIS standards



Tigonis Tile Grout is an economical hard-wearing, water-resistant chemical for filling joints in exterior and interior walls and floor ceramic tiles and mosaics. It is a specially formulated chemical to fill joints of up to 5 mm in width. It is easily applied by hand and because of its unique composition, does not shrink when dry.

ADVANTAGES:

- ◆ Easy application
- ◆ Does not curl up during application
- ◆ Good adhesion
- ◆ Environment-friendly
- ◆ Good water and weather resistance
- ◆ Helps to reduce shrinkage & cracks in tiles.

TECHNICAL INFORMATION:

Mixing Ratio	20-25% water by weight
Pot Life	90 mins
Pack Size	1 Kg
Compressive Strength	> 15 Mpa
Shades	White, Ivory, Pure Yellow, Water Green, Sky Blue, Sapphire, Slate Grey, Silver Grey, Ivy, Burgundy, Saitillo, Terracotta, Spectra Pink. Midnight Black

Manufactured as per BIS standards



Tigonis High Performance Polymer Modified White Cement Compound

is a premium quality modified white cement designed for decorative purpose, repair work. It is highly suited for filling porous and tiles joints.

FEATURES : ♦ Long lasting ♦ It does not shrink ♦ Non-cracking ♦ Easy to apply and clean up.

ADVANTAGES: ♦ Inhibits powdering and cracking ♦ Designed for interior and exterior use

♦ Improves flexibility and durability



TECHNICAL INFORMATION:

Colour	White
MIXING RATIO	250 ml water for 1 kg
POT LIFE	60 min
PACK SIZE	1 kg pack (Secondary packaging 1 kg X 25=25 kg)

Manufactured as per BIS standards

Tigonis Grout Admixture is a white synthetic polymer additive, use with cement based grouts for tile joint grouting works. Tigonis Grout Admixture is used in place of water to provide a dense, colorfast grout joint that inhibits stain causing bacteria growth and ideal for all interior and exterior grout applications.

ADVANTAGES: ♦ Improves flexibility ♦ Reduced water permeability: improves water resistance ♦ Improves the adhesion strength ♦ Suitable for Interior & Exterior ♦ Easy to clean using a minimal amount of water ♦ Provides a more dense and stronger Portland cement grout joint hence inhibits powdering and cracking ♦ Reduces problems with faded or blotchy colour in grouts ♦ Prevents damage to grouts from thermal shock ♦ Improves flexibility and durability. Makes grout more shock resistant.

TECHNICAL INFORMATION:

Appearance	White Emulsion
Specific Gravity	1.02
Pot Life	60 min
Time to Foot Traffic	24 hrs
Time to Heavy Traffic	72 hrs

DOSAGE: 250 ml Grout Admixture with 1 kg Tile Grout.

Manufactured as per BIS standards



Tigonis Tile Bonder is an economical on-site mix additive for improving the strength and workability of cement, for fixing of tiles. Tigonis Tile Bonder exhibits very high water retention and thus reduces the absorption of water in to porous substrates. Hence provides workability, sufficient sag resistance as well as appropriate setting time. The adjustability is good even at low dosages and high ambient temperatures. It makes cement self-cured.

APPLICATION AREAS: Tigonis Tile Bonder with cement slurry is used for fixing tiles on conventional method/leveling bed application. For fixing tiles on wall, Tigonis Tile Bonder is to be mixed with cement and/or sand and can be applied by notch trowel.

METHOD OF APPLICATION:

A. Cement + Tigonis Tile Bonder: Take 10 Ltrs of water in a clean and dry vessel. Slowly, mix 50 Kg Cement and 300 gms of Tigonis Tile Bonder under stirring to obtain a uniform lump-free consistency. Finally, add 5 Ltrs. of Water to get a soft and smooth paste.

B. Cement + Sand + Tigonis Tile Bonder: When using with sand, take 300 gm Tigonis Tile Bonder only for 25 kg cement and desire quantity of sand.



TECHNICAL INFORMATION:

Appearance	Free flowing powder
Colour	White
Packaging	300 gms



Manufactured as per BIS standards

Tigonis Tigo Clean is a versatile product formulated for clean flooring systems like Tiles, In Situ Mosaic, Ceramics, Kent Tiles, Wash Basin, Bathtub, Concrete and other similar surfaces.

FEATURES & BENEFITS : ♦ Does not damage joints between ceramic tiles ♦ Removes stain easily ♦ Cleans ceramic, porcelain, vitrified tile & grout ♦ Does not affect glaze and pigments of tiles ♦ Safe to use and does not have side effects.

APPLICATION: Wet the substrate surface with 1:1 diluted Tigo Clean. Leave for soaking for five minutes. Then Scrub with Scrubber or cloth and finally wash with water.



TECHNICAL INFORMATION:

Colour	Reddish Liquid
Soaking time	5 mins. after application
Dilution	Dilute with water in a 1:1 ratio
SKU's	500 ml and 1 Litre

Manufactured as per BIS standards



TIGONIS EPOXY GROUT is a stainless, chemical resistant & waterproof epoxy based tile joint filler which has high resistance to abrasion, impact & shocks. It is meant for grouting gap between glazed, ceramic, porcelain, vitrified & fully vitrified tiles, natural stones & Glass mosaics. This can also be used as a high-performance epoxy adhesive for fixing tiles & stone.

SALIENT FEATURES: Stain free | Chemical resistant | Waterproof property | Peel, crack or powdering resistant | Resistant to heavy traffic | Easy to Use - No noxious odor, nonflammable | Colour fast resistant surface | Water cleanable | Easy to clean.

CAUTION: For highly absorbent natural stones/marbles, do sample test to check for possible staining.

CHEMICAL RESISTANCE: PROLONGED CONTACT: Baking Soda, Beer, Citric Acid, Coconut Oil, Cotton Seed Oil, Diesel, Dilute Detergents, Ethanol, Gasoline, Groundnut Oil, Kerosene, Linseed Oil, lubricating Oils, Milk, Potassium Hydroxide, Sodium Carbonate, Sodium Chloride, Soybean Oil, Sugar, Water & White Sprit.

MAX 24 HOURS: Acetic Acid (5%), Household Ammonia, Hydrochloric Acid (dil), Methanol, Phosphoric Acid (10%), Sodium Hydroxide.

SPLASH CONTACT: Acetic Acid (10%), Acetone, Benzene, Chloroform, Chromic Acid, Ethyl Alcohol, Formic Acid, Lime Juice, Nitric Acid (10%), Phenol, Sulphuric Acid (20%), Methylene Chloride, Methylene Formamide.

APPLICATION TILING: Spread mixed material over the surface using a notch trowel. Tiles should be placed within the open time of the material. Due to the slip resistance properties of the material, tiles can be fixed vertically. Press firmly the tiles to ensure a good adhesion and remove surplus material from the face of the tiles immediately.



TECHNICAL INFORMATION :

APPLICATION PROPERTIES (Resin + Hardener + Filler)

Properties	Test Results
Component Appearance	Resin (Part A) – White Viscous liquid Hardener (Part B) – Yellow Viscous liquid Filler (Part C) – Colored powder
Mixing ratio	184 (Resin) + 78 (Hardener) + 738 (Filler) (2 : 1 : 7)
Mixed Materials Consistency	Smooth creamy paste
Mixed Density	1.75 ± 0.05 kg/ litre
Pot Life @ 300c	Min. 60 minutes
Available Shades	As per Shade card
Performance Properties	Test Results
Compressive Strength after 7 days	> 50 Mpa
Flexural Strength after 7 days	< 30 Mpa
Shear Adhesive Strength after 14 days	>= 30 Mpa
Water Absorption	<=0.5 gm
Pull-off Adhesive	Strength >=1.5Mpa (Concrete Failure)

APPLICATION PROCESS: SUBSTRATE PROCESS: • 24 hours time interval for grouting after tile fixing must. • Clean joints to be dry, and free of dust & adhesive • Emptied at least 2/3 of the tile thickness depth • Put masking tape by side of grouting space or sealer if necessary. **MIXING:** • Shake the bottle of Hardener and stir the Base prior to mixing pot • Pour Part A (Base) & Part B (Hardener) into a clean mixing pot • Mix thoroughly with a slow speed mixer until liquids are completely blended • Add Part C Filler Powder and mix for a uniform color & consistency • Avoid air bubble formation • Use the mix within 45 - 60 minutes from mixing. **APPLICATION:** • Using a press the grout firmly into the joints • Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material • Ensure that joint is filled completely, and grout is not just sitting on top. **CLEANING & FINISHING:** • Clean off the surplus grout from tile joints and tiles within 30-45 minutes/before the product dries • Initially use a rough textured sponge dampened with water to remove the grout residue • Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint & taking care not to drag grout from the joints • Clean off any light residue of tile grout left on the tile surface using an alkaline detergent/ TIGONIS tile cleaner without disturbing the joint finish • Tools and containers should be cleaned using clean water when the grout is still fresh.

PRECAUTION: Please take right/complete proportion of all components (base, hardener & filler). Any change in proportion would not give correct product performance • Do not apply on wet/damp tile joints • Protect from direct rainfall/ foot traffic for at least 24 hours • Do not use acid to clean joints. Use TIGONIS TIGOCLEAN for cleaning purpose.

SAFETY PRECAUTIONS: Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

FORMULA FOR THE COVERAGE CALCULATION: $C = 1.75 \times H \times T \times [(L + W) / (L \times W)]$ — C - Tile grout coverage (kg/m²), H - Thickness of tile (mm), T - Width of joint (mm), L - Length of tile (mm), W - Width of tile (mm), PACKAGING 1 kg, 5 kg packs

SHELF LIFE: 18 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature (store between +15° C to +35° C temperature).

PRODUCT GUIDE

CONSTRUCTION CHEMICALS & WATERPROOFING PRODUCTS

Megaproof WPC++ (integral Waterproofing Compound) is specially formulated using active plasticising agents, additives and polymers. It is a corrosion resistant additive used for cement concrete, mortar & plasters. It substantially reduces the permeability of water into concrete, prevents segregation and makes concrete cohesive.

APPLICATION AREAS: Roof Slabs | Screeds | External Plastering | Basements | Bathrooms and Balconies | Sumps and drains | Water Retaining Structures

FEATURES & BENEFITS: Corrosion Resistant and Durable: MEGAPROOF WPC++ Makes the concrete more durable and more cohesive hence providing protection of the steel structure. Strength and Shrinkage: Reduces shrinkage, crack development in concrete and makes sure the compressive strength of the concrete remains within the specification limits. Workability: It is highly dispersible & compatible with concrete/mortars improving the workability of the concrete mixture. It substantially reduces the permeability of water into concrete.

TECHNICAL INFORMATION:

Appearance	Free flowing reddish liquid
Sp. gr. @ 250 C	1.01 - 1.02
Non-volatile content	13.5 - 14.5%
pH value	9 - 12
Setting time minutes	300 - 600 min.
Chloride content:	Max. 2.00%
Compressive strength	As per IS mentioned
Dosage	200 ml per 50 kg bag of cement
Water permeability	44.86% (as per IS 2645 – 2003 <50%)
Packaging	1, 5 10 & 20 Litre containers
BIS code	IS :2645 : 2003



Manufactured as per BIS standards

Tigonis Superpower SBR (Styrene Butadiene Rubber) is Latex provides good adhesion and water resistance when mixed with cement slurry/mortar/concrete/grout. It is a bonding admixture and is used to improve bond strength and chemical resistance.

Reduces cracking | Increases wear resistance | Increases mortar flexural & tensile strength | Increases durability during freeze/thaw cycles | Improves bond strengths to hardened concrete | Greater surface coverage & easy to use.

Application 1 Waterproof Slurry Coating/Bond Coat Mixing Ratio-TSPLA*:WATER:CEMENT = 1:4:7-9 (By Weight)

Application 2 Polymer Repair Mortar (1Cement:4 Sand) Liquid Mixing Ratio-TSPLA*:WATER = 1:6 | Liquid : Powder ratio=1:2

Application 3 Crack filling Putty (1 Liquid : 2 Marble Dust) Liquid Mixing Ratio-TSPLA*:WATER = 1:2

Application 4 Polymer Concrete (Repair Concrete & Screed)(1Cement:2 sand:4 Aggregates)

Liquid Mixing Ratio: TSPLA*: WATER = 1: 4 | Liquid: Powder ratio = 1:2

Application 5 Additive to cement for injection grouting Liquid Mixing Ratio: TSPLA*: WATER= 1:5 ; Liquid : Cement = 1:2

*TIGONIS SUPER POWER SBR LATEX

TECHNICAL INFORMATION:

Appearance	Free flowing milky white liquid
Chemical COMPOSITION	Styrene Butadiene Rubber Emulsion
Solid Content/NVM	~ 42-44% by weight
Bonding Strength N/sq mm	>5
Packaging	500g, 1kg, 5kg, 10kg, 20kg
Shelf Life	18 months from date of production

Manufactured as per BIS standards



Tigonis Tigocrete 1K (Acrylic Waterproofing Coating) is an acrylic cementitious, polymer modified waterproofing protective coating. It is applied to waterproof and protect concrete and masonry substrates.

AREAS OF APPLICATION: Bathrooms, kitchen sinks, balconies, cornice, chhajjas, domestic water tanks, terraces areas etc.

MIXING RATIO: White Liquid: Cement = 1:2

SHELF LIFE & STORAGE: Best before 12 months from the date of manufacture when in sealed pack and stored under proper condition. **Caution:** May cause irritation to skin & eyes. Avoid Inhaling during usage. Use a mask.

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



TECHNICAL INFORMATION:

Appearance	Free Flowing Liquid
Colour	Milky White Liquid
Base Composition	Acrylic Latex
pH	>7
Density	~ 1.02 kg/L at 27°C
Solid Content	~ 29%+/-2 by weight
Bonding Strength Kg/sqcm	14 days 20 Kg/sq cm +/-2
Chemical resistance	Resist mild acid and alkali

TIGOCRETE IG 225 is composed of plasticizers, expansion additives, polymers & defoamers. It is used for administering cementitious injection grouts for pressure / gravity injection into concrete structures, for producing cementitious grouts, which are suitable for bed grouting, duct grouting, filling etc. because it provides plastisizing action which improves flow, expansion additive provides shrinkage compensation after curing & high compressive strength.

AREAS OF APPLICATION: ♦ For injection grouting in-RCC slabs, Sunken slabs ♦ RCC walls of water tanks, swimming pools ♦ Basements for waterproofing purpose ♦ Concrete Duct grouting ♦ Rock and soil anchoring ♦ Pre-placed aggregates and tunnel lining ♦ Crack filling in structural enforcements ♦ For structural strengthening in repairs.

MIXING RATIO: Mix 1 bag [50 Kg] OPC – 53 grade cement with 100 Kg of clean & dry fine sand [0 – 2mm] in a pan / concrete mixer. Add **TIGOCRETE IG 225** & mix for 2 minutes. Add water, 20 – 25 Ltrs [as per w/p ratio – 0.2 to 0.25], under mixing & mix for 3-5 minutes to get homogeneous flowing mortar.

DOSAGE: 225 gms per 50 kg cement. **COVERAGE:** 50 kg cement and 225 Gms of **TIGOCRETE IG 225** will give 26-34 ltrs. yield, when used with a water : cement ratio of 0.30 to 0.45. **SHELF LIFE & STORAGE:** Shelf life is 12 months from the date of manufacturing in unopened condition. Store in a cool & dry place.

Caution: Use rubber hand gloves & safety goggles, while using **TIGOCRETE IG 225**. In case of contact with skin, wash with plenty of water. Keep out of reach of children. **SKU:** 225 gms pouch.



TECHNICAL INFORMATION:

Colour:	Brownish grey powder.
Bulk density:	0.70 - 0.80 gm/cc.
Shrinkage:	NIL

Manufactured as per BIS standards

Tigonis Rust Remover is used as cleaning agent which effectively removes rust from steel surfaces, before application of any protective coating or as a corrective/ upkeep measure.

AREAS OF APPLICATION: Tigonis Rust Remover: ♦ New or old reinforcement steel in construction ♦ Removes rust from tanks, pipelines, trusses, purlins, rafters etc. ♦ Ball bearings, valves, hacksaws, hammers and other tools ♦ Has a great domestic use advantage and can clean rusted utensils almirah and other iron based surfaces ♦ Can be used in the automobile segment.

FEATURES & BENEFITS: **1. Ease of application** - Ready to use, easily applicable by brush. **2. Penetration & effect** - effective rust removal even from areas difficult to reach & penetrate. **3. Economical** - Cost effective because of good coverage.

METHOD OF APPLICATION: Apply Tigonis Rust Remover on affected surface by using cotton waste swab or by brush application. Leave the surface to react with Tigonis Rust Remover for at least 15 to 30 minutes.

TECHNICAL INFORMATION:

Colour	Clear Liquid
Density	1.02 kg/l at 30°C
Packaging	250 gms, 500 gms

Manufactured as per BIS standards



Tigonis Tigoguard 2K (Acrylic Waterproofing Coating) is an acrylic cementitious, two component polymer modified elastomeric, waterproofing & protective coating. It is applied for waterproofing purposes and to protect concrete and masonry surfaces / substrates.

AREAS OF APPLICATION: Bathrooms, kitchen sinks, balconies, cornice, chhajjas, canopies, Internal side of domestic water tanks, terraces areas sloped roofs etc.

MIXING RATIO: White Liquid : Grey Powder = 1:2

SHELF LIFE & STORAGE: Best before 12 months from the date manufacturing when in sealed pack and stored under proper condition.

Caution: May cause irritation to skin & eyes. Avoid inhaling during usage.

TECHNICAL INFORMATION:

Polymer content	> 18%
Appearance	Part A- White Liquid Part B- Grey Powder
pH of the mix	10-12
Pot Life of the Mix	90 Min
Elongation at break at DFT of 1 mm	40%-50%
Water permeability	No leakage after 24 hrs
SKU	15 kg (5 kg liquid : 10 kg solid)



Tigonis Tigoguard 2K Plus (Acrylic Waterproofing Coating) is a high strength Acrylic Waterproofing, polymer modified elastomeric, protective coating. This is composed of best quality Portland cement, graded aggregates, additives & has acrylic emulsion polymer as a binder. When the acrylic-modified emulsion is applied according to direction, the cured coating become a tough, flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface. It is a 2-component cement-based waterproofing material, which is a combination of powder (fine sand, sizing), liquid (modified acrylic polymer) and nontoxic substances, environmentally friendly - free Volatile Organic Compound (VOC), with excellent waterproofing property.

FEATURES & BENEFITS: Easy to apply by brush | Flexible and bridges cracks in concrete surfaces | Elastomeric flexible coating | Provides a waterproof surface & eliminate water leakage | UV Resistance | Non Toxic

AREAS OF APPLICATION: Bathroom, Kitchen Sink, Water Tank, Terrace etc

MIXING RATIO: White Liquid : Grey Powder = 1:1.4

SHELF LIFE & STORAGE: Best before 12 months from the date manufacturing when in sealed pack and stored under proper condition.

Caution: May cause irritation to skin & eyes. Avoid inhaling during usage.

TECHNICAL INFORMATION:

Appearance	Part A- White Liquid Part B- Grey Powder
pH	10-12
Pot Life of the Mix	90 Min
Elongation at break at DFT of 1 mm	130%-150%
Water permeability	No leakage after 24 hrs
Polymer/Cement Ratio	50-65% based on wet weight
Mixing Ratio	1.4 : 1 (Powder : Liquid)
Coverage	Approximately 20 sqft / kg at 1 mm thickness in 2 coats, depending on the level of the substrate.
Packing	12 kg/set (2 components) Powder 7 kg, Liquid 5 kg 48kg/set (2 components) Powder 28Kg, Liquid 20Kg
Shelf Life	Best before 12 months from date of manufacture*



Manufactured as per BIS standards



TIGOSHIELD TOPCOAT Waterproofing Membrane is a single component, insulating elastomeric waterproof coating for roofs and top surfaces that will offer a great sealant quality against water along with heat, waterproofing and insulation. This monolithic waterproofing membrane provides superior crack bridging and long lasting tough weather protective seal for exposed (new and old) roofs & surfaces. **TIGOSHIELD TOPCOAT** combines the benefits of waterproofing as well as heat reduction in a single product. No additional protective coating is required.

Typical Applications : ❖ Building Roofs / Terraces – Flat & Slope ❖ Over Existing cementitious waterproofing treatments like sound brick-bat coba, concrete screed, etc.

Features: ❖ Waterproofing – Tough durable elastic membrane with > 200% elongation ❖ Good Adhesion – Bonds strongly to the substrate ❖ Crack bridging – High flexibility of materials enables it to bridge hairline cracks ❖ Tough and abrasion resistant – Suitable for light foot traffic ❖ Economical – Cost effective and durable coating ❖ Bright white – Heat Reflective and UV resistant top coat ❖ Temperature reduction – Reduces surface temperature up to 10°C** in the peak summer ❖ Eco friendly – Low VOC.

Packaging: 1, 4, 10 & 20 litre

Method of Application: 1. Surface Preparation: Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles. Existing roof systems to be visually inspected for conditions that may adversely affect adhesion of performance of newly installed products. Damaged or hollow portions, sharp edges, etc. must be cut and repaired with a polymer-modified mortar Ensure that the roof slope of a minimum of 1 in 100 is already provided. The surfaces shall ideally be in Surface Saturated Dry (SSD) before application of **TIGOSHIELD TOPCOAT**, Do not apply to wet or visibly damp surfaces. **2. Cracks and Joints:** It is recommended to fill fine crack up to 1 mm with **TIGOSHIELD TOPCOAT** directly by brush or roller after cleaning the cracks. All surface cracks up to 5 mm width should be filled up suitably using polymer modified mortar mostly.

Application Procedure For Roof (Repair & New): Stir well prior to application. All joints/corners/drainage outlets and penetration points shall be treated prior to all application of **TIGOSHIELD TOPCOAT** All corners, gaps, joints, protrusions and outlets should



be coated with an extra coat incorporating reinforcing fabric. **TIGOSHIELD TOPCOAT** may be applied by roller, brush. Apply a coat of **TIGOSHIELD TOPCOAT** (diluted with water in the ratio 2:1) as Self Priming - 9 - 10 Sq.mtr / litre. Allow coating to dry for 3-4 hours prior to applying first coat & second coat. Apply two coats of **TIGOSHIELD TOPCOAT** @ 2 - 2.2 Sq.mtr / litre / coat, without water dilution, the rate of application being the same for both the coats. This would ensure correct consumption of material that will deliver a total DFT of 450–500 micron. Allow the system to air cure for 3 days minimum.

Post Application: Conduct ponding test by filling water up to 50 mm height for 72 hours post air curing to ensure leak-free terrace.

Precautions & Limitations: All corners, gaps, joints, Roof leak repair area & outlets shall be coated with two extra coats | Do not apply if rain is expected within 48 hours after application | Do not apply to flat surfaces with poor drainage or where ponding water will exist | The product is designed only for foot traffic and not vehicular or movement of machinery or equipment | Durability of coating is determined by the application process, the weather conditions during and after application, the suitability & quality of the workmanship and the total applied coating thickness | Do not apply if the surface temperature is greater than 40°C or below 10°C.

Technical Information:

Solid Content	ASTM D1644	58	
Density (gm/cc)	ASTM D 1475	1.31	
% Elongation at Break	ASTM D 412	Min. 100 %	200
Tensile Strength Mpa	ASTM D 412	1.5	2.10
Tear strength (N/mm)	ASTM D 624	Min 21	23
Water absorption- 24 hr. dip	ASTM D 471	Max. 20%	passes
Pull off Adhesion, Mpa	Average	Min.1.5 Mpa	2.20
Crack Bridging Test (mm)	ASNZ4548- 5	Min 1 mm	2

Theoretical Coverage*

Self Priming - 9-10 Sq.mtr / litre

First Coat **TIGOSHIELD TOPCOAT** - 2 - 2.2 Sq.mtr / litre

Second Coat **TIGOSHIELD TOPCOAT** - 2 - 2.2 Sq.mtr / litre

Shelf Life: Protect the paint material from freezing | Keep containers closed away from heat and flame when not in use; store in a cool & dry place | 24 months from the month of manufacture in unopened & proper storage conditions.

Health & Safety: Skin Contact: Wash skin with soap & water. Remove contaminated clothes | **On eye contact:** Immediately splash eyes with plenty of water. Consult Physician if irritation persists | **Ingestion:** It is based on Water Based Coating system, however, seek medical help.

WARRANTY: 7-12 years depending on variant.

Variants : PREMIUM | ULTRA PREMIUM | PLATINUM

*Coverage may vary depending upon the texture and porosity of the surface.

**Comparative thermal performance of Tigoseal Top Coat on roofing. Temperature recorded from 1 pm to 3 pm of roof surface recorded with the aid of laser guided infrared non-contact thermometer. The degree of surface temperature reduction will vary depending on the condition of the existing surface, site location, roof pitch and weather factor.



Tigonis Universal Waterproof Primer is a water based Primer composed of acrylic emulsion polymer, properly selected fine fillers, white pigments & additives in water as a medium. It is used as primer over exterior & interior building walls, slopes, and horizontal surfaces before application or on terraces before application of Tigoshield Topcoat or other similar products.

AREAS OF APPLICATION: Priming of plastered walls, asbestos, brick, false ceiling, concrete surface, etc.

MIXING RATIO: Dilute Tigonis Universal Waterproof Primer with water in proportion of 2:1 and stir well until a uniform consistency is achieved | Apply a single coat of diluted Tigonis Universal Waterproof Primer on the cleaned substrate & allow it to dry for 2 to 3 hours before commencing to further finish coats | Light cut with sand paper the coating of Tigonis Universal Waterproof Primer before commencing the finish coats on internal walls.

SHELF LIFE & STORAGE: Shelf life is 24 months from the date of manufacturing in unopened condition | Store in a cool & dry place | Keep away from direct sunlight.

SKU: 20 Ltr. & 4 Ltr.

TECHNICAL INFORMATION:

PROPERTIES	SPECIFICATION	RESULTS
Colour		White
Density @ 25OC, g/cc		1.28
Solid content, %		Min 48
Bonding strength		Excellent to porous substrates
Tensile strength, N/mm ²	ASTM D 412	> 2.0
Efflorescence resistance		No efflorescence in paint film
Weathering resistance		Excellent

Manufactured as per BIS standards

Efflorescence Resistant Penetrating Primer

IDEAL FOR HORIZONTAL & VERTICAL SURFACES



Waterproofing



Crack Curing



High Sheen



Excellent Adhesion

AFTER THE PRIMER UNDERCOAT APPLICATION FOR BEST RESULTS ON EXPOSED SURFACES PLEASE APPLY —

TIGONIS TIGOSHIELD TOPCOAT.

The perfect all weatherproof budget-friendly anti-damp solution.



THE PERFECT ALL WEATHER ALL SEASON UNDERCOAT

Available in 3 variants

PREMIUM

ULTRA PREMIUM

PLATINUM

PRODUCT GUIDE | PAINT SEGMENT

Tigonis Wall Putty Tigonis premium Wall putty is a white cement based powder finished coating, applied on walls, surfaces and ceilings. This covers unevenness, undulations and pin holes on the plastered surface. It strengthens the wall and protects expensive paints from dampness, efflorescence and moisture. Tigonis Wall Putty is modified with polymers and special additives for enhanced strength, finish and performance. Tigonis delivers the real essence of ultrafine decor—always.

ADVANTAGES: ♦ White smooth surface finish ♦ Considerable reduction of paint consumption ♦ Superior paint finish
♦ Protection from flaking, dampening and peeling off

APPLICATION AREAS: Tigonis Wall Putty is ideal for finishing and decorating exterior and interior walls of all kinds. It can be used before repainting old surfaces. It is ideally applied on plastered walls in order to create a smooth, less absorbent surface before the top coat is applied.

TECHNICAL INFORMATION:

Colour	Super White
Mixing Ratio	With 35-40% water by weight
Dry film thickness	1-1.5 mm (Standard)
Coverage*	12-14 sq. ft. per kg per coat
Pack Size	30 KG & 40 kg
Tensile Adhesion Strength	1.0 Mpa at 28 days
Compressive Adhesion Strength	16 Mpa at 28 days
Pot life after mixing Water*	2-3 hours

* Depends on surface quality and desired dry film thickness (DFT) and other conditions



Manufactured as per BIS standards

Tigonis Waterproof Wall Putty is white cement based putty ideal for using on plastered/concrete walls and ceilings. It covers unevenness, undulations and pin holes on the plastered surface. It strengthens the wall and protects expensive paints from dampness, efflorescence and moisture. Tigonis water proof wall putty is modified with polymers and special additives for enhanced strength, finish and performance.

ADVANTAGES: ♦ White smooth surface finish ♦ Considerable reduction of paint consumption ♦ Protection from flaking, dampening and peeling off ♦ Highly durable with excellent water repellent nature.

AREAS OF APPLICATION: It is ideal for protecting, waterproofing, finishing and decorating exterior and interior walls of all kinds. It is used on the walls and surfaces that may be prone to damp causing salt efflorescence.

TECHNICAL INFORMATION:

Appearance	White Free Flow Powder
White Powder	35-40% water by weight
Compressive Strength 28 Days	>10 MPA
Water Penetration Karsten Tube (Horizontal & Vertical)	Around 1 ML. Max (6 Hours) At 30°C
Pot Life	3 Hours At 30°C
Dry Film Thickness	1-1.5 MM (Standard)
Coverage*	16-18 sq. ft. per kg per coat
Pack Size	20 kg

* Depends on surface quality and desired dry film thickness (DFT) and other conditions.



Manufactured as per BIS standards

Tigocem Water Proof Cement Paint is a Premium White Cement based Cement Paint, specially designed for better paint brush ability, easy mixing and application, longer pot life and extra coverage. It is the best protective cement paint coat against moisture and decay. It contains heat and UV resistant Oxide Pigments that are long lasting and eco-friendly.

ADVANTAGES: ♦ High strength ♦ Breathable paint ♦ Superior brush ability ♦ Economical protection ♦ Durable, waterproof surface ♦ Repels rain on external surfaces ♦ Greater coverage ♦ Longer pot life ♦ Anti-flaking properties.

TECHNICAL INFORMATION:

Appearance	Fine powder form
Finish	Beautiful matt finish
Curing	1st coat & 2nd coat should be cured properly
Drying Time	6-8 hours depending on climatic conditions
Mode of Application	Either to be brushed or sprayed
Coverage	30-45 sq ft. per kg./coat
Recoating period	18-24 hours depending on climatic condition.
Dry Film Thickness	50-60 microns
Pack size	25 Kg
Shades	Ivory, White, Mid Cream, Light Olive, Aquamarine, Special Green, Apple Green, Sky Blue, Special Blue, Brick Red, Bright Pink and Peach.



Manufactured as per IS5410:1992 standards.

Tigonis Cement Primer is an acrylic based water-thinnable wall coating suitable for application on exteriors & interiors as an undercoat to emulsions on exterior and interior walls & surfaces. It acts as a sealer coat to prevent the excess absorption of decorative paints and enhances the overall coverage of the finish coats.

ADVANTAGES: ♦ Does not chalk ♦ Can be applied on adequately cured fresh plaster ♦ Does not require curing with water ♦ Provides excellent adhesion to top coat emulsions ♦ Prevents peeling off/flaking of top coat emulsions

TECHNICAL INFORMATION:

Colour	White
Drying Time	Within 30 Mins
Recoat Time	After 4-5 Hours
Over Coating Interval	8 Hours
Coverage*	100-120 sq ft. per litre per coat
Stability	To be used within 24 hours
Pack Sizes	1 Lt., 4 Lt., 10 Lt. & 20 Lt.

* Depends on surface quality.



Manufactured as per BIS standards

Tigonis Acrylic Distemper is quality water based wall finish for Interior surfaces. It is a proper finish for interior walls which demand a beautifully decorated Finish without any glares of unexpected light reflection. Applied on exterior and interior plastered surfaces after the application of Tigonis Wall Putty and Tigonis Cement primer.

PERFORMANCE FEATURES & BENEFITS: Easy application ♦ Gives unmatched durability and a smooth finish ♦ Ensures shade retention for a long time ♦ Bright matt finished Shades ♦ Better Performance Formulation
 ♦ Washable Properties ♦ Economical and good value for money

TECHNICAL INFORMATION:

Coverage*	110-120 sq. ft/Kg/coat, when applied on smooth and non-absorbent surfaces.
Drying Time	Surface Dry: 30 minutes.
Overcoat ability	4-6 hrs (@27± 2C & RH 60 ±5%):
Thinning	Add 50-60% Potable Water by Weight or as per desired applicable viscosity according to the application method
Gloss/Sheen	Matt And Smooth
Flash Point	NA
Stability of Thinned Paint	Use within 24 hrs.
Pot Life*	90 Minutes at 20° C
Pack Sizes	5, 10 & 20 Kg containers
Colour Shades	White, Ivory, Pale Cream, Daffodil, Pista, Aquamarine, Pastel Green, Surf Green, Merry Pink, Wild Lilac, Satin Blue Tigonis Blue and Electric Blue.

*Actual coverage may vary depending on method & condition of application, surface roughness & surface porosity.



Manufactured as per IS428:2000 standards.

Red Oxide Metal Primer is oil modified alkyd-based primer that can be used as an undercoat for ferrous metal substrate, which offers good corrosion resistance and assures strong adhesion of the final coat. It can be applied by brushing or spraying and offers good opacity, coverage flow and leveling

PROPERTIES: ♦ Excellent Adhesion ♦ Offers good opacity ♦ Prevents the spread of corrosion ♦ It can be easily applied by brush, cloth or spray ♦ Most economic with highest coverage

TECHNICAL INFORMATION:

Finish	Matt
Thinner	Mineral Turpentine Oil (MTO)
Method of Application	Brush or Spray
Recommended application viscosity	Brushing 60-65 sec @ 30°C FCB4 Spraying 40-45 sec @ 30°C FCB4
Theoretical spreading Capacity	160-180 Sq.Ft/Lit/Coat. Will vary depending on the surface preparation and method of application
Drying Time	SD:Less than 1 hr. (at 18-25 micron DFTI) HD:Less than 24 hrs.(at 18-25 micron DFTI)
Recoating Period	8-10 hrs. (Ambient temperature and humidity factor)
Stability of thinned paint	To be used within 24 hours
Shelf Life	1 Year from the date of packaging
Pack sizes	1, 4 & 20 Litres



Manufactured as per BIS standards



BENGAL BUILDING SOLUTIONS PRIVATE LTD.

We, at Bengal Building Solutions Pvt Ltd (BBSPL) thrive to be one of the largest building materials solution providers in India and in South-East Asia aiming at becoming pioneers in providing eco-friendly building and construction materials. The company is led by an immensely qualified and experienced team comprising of industry veterans with IIT and IIM background and having run huge multinationals over the decades. Our state-of-the-art manufacturing unit is in Amtala, South 24 parganas, West Bengal, which is all set to be India's first integrated, versatile plant, manufacturing different cement based and allied products like blocks, cementitious dry mix mortars, construction chemicals and various other paint products and derivatives. BBSPL aims to provide easy, one stop solution to all your asset development needs. BBSPL has recently launched their flagship brand TIGONIS in Eastern India.

OUR KEY ACHIEVEMENTS



OVER 100 EMPLOYEES INCLUDING IIT/IIM PROFESSIONALS



10,000+ MASONS & PAINTERS IN DIRECT ASSOCIATION



BRAND PRESENCE IN OVER 6000 RETAIL COUNTERS



ROBUST BUSINESS PRESENCE IN EASTERN INDIA & NORTH EAST



OVER 100 INSTITUTIONAL & PROJECT CLIENTS IN EASTERN INDIA



20+ POPULAR PRODUCTS WITH 60 SKU'S ACROSS 4 SEGMENTS



OUR EMPLOYEES OUR CORE STRENGTH



MONTHLY SALES REVIEW MEETING AT HEAD OFFICE



OUR MANUFACTURING UNIT AT AMTALLA



CONDUCTING CAMPUS INTERVIEWS FOR FRESH TALENTS



THE FASCINATING RANGE OF TIGONIS POS



END USER CONNECT PROGRAMS & APPLICATOR MEETS

IN PROUD ASSOCIATION



ETHA REALTY PVT. LTD.



A WIDE RANGE OF BUILDING & CONSTRUCTION MATERIALS



TIGONIS™

PUTTY | PAINTS | ADHESIVES
 DRY MIX MORTAR | WATERPROOFING
 CONSTRUCTION CHEMICALS



TIGONIS TILE ADHESIVE-SUPER



TIGONIS TILE ADHESIVE-PREMIUM



TIGONIS TILE ADHESIVE-ULTRA PREMIUM



TIGONIS TILE ADHESIVE-PLATINUM



TIGONIS BLOCK JOINING MORTAR



TIGONIS TILE GROUT



TIGONIS HIGH PERFORMANCE POLYMER
 MODIFIED WHITE CEMENT COMPOUND



TIGONIS GROUT ADMIXTURE



TIGONIS TILE BONDER



TIGONIS TIGO CLEAN TILE CLEANER



TIGONIS WALL PUTTY



TIGONIS WATERPROOF WALL PUTTY



TIGOCEM WATER PROOF CEMENT PAINT



TIGONIS CEMENT PRIMER



TIGONIS ACRYLIC DISTEMPER



TIGONIS OXIDE METAL PRIMER



MEGAPROOF WPC++



TIGONIS SUPERPOWER SBR



TIGONIS TIGOCRETE 1K



TIGONIS TIGOGUARD 2K



TIGONIS RUST REMOVER



TIGOCRETE IG 225



TIGOSHIELD TOPCOAT
 WATERPROOFING MEMBRANE



TIGOSHIELD TOPCOAT
 WATERPROOFING MEMBRANE



TIGOSHIELD TOPCOAT
 WATERPROOFING MEMBRANE



TIGONIS UNIVERSAL
 WATERPROOF PRIMER



BENGAL BUILDING SOLUTIONS PVT. LTD.

Ramkrishnapur More, Gotalahat Road, Amtala, Kolkata - 743503

Phone : +91 74391 33787, 89101 06433

E: sales@bbspl.co.in | W: www.bbspl.co.in