TYFIX™

Make It Strong..

AN ISO 9001:2008 CERTIFIED COMPANY

Brand of
Construction
CHEMICALS

Product Info (English)



www.tyfix.in

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THE TYFIX STORY

INTRODUCTION:
Tyfix is a distinguished name in the construction chemical industry, offering a comprehensive range of high-quality products designed to elevate the standards of construction projects. With a commitment to excellence, Tyfix stands as a reliable partner for builders, architects, and homeowners alike.

VISION:
"At Tyfix, our vision is to enrich the lives of our customers by providing each home with the highest quality products. We aim to be the cornerstone in making homes better, offering solutions that stand the test of time and elevate living experiences."

MISSION:
Societal and Environmental Commitment: Tyfix is dedicated to working for the betterment of society and the environment. We prioritize eco-friendly practices in our production processes and contribute to social initiatives that uplift communities.

Quality Assurance: Our mission revolves around delivering products of the utmost quality. Tyfix is committed to providing construction solutions that not only meet but exceed customer expectations, ensuring longevity and satisfaction.

Innovation in Construction: Tyfix strives to contribute to the advancement of the construction industry by continuously introducing new and innovative products. We aim to be pioneers in bringing cutting-edge solutions that redefine construction standards in our country.

CONCLUSION:
Tyfix stands as a beacon of quality and innovation in the construction chemical sector. With a focus on providing top-tier products and contributing to societal and environmental well-being, Tyfix is your partner in building a better, more sustainable future.

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TILE GROUT APPLICATION
ADHESIVE APPLICATION
RECOMMENDATION CHART

Tiles Adhesive



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Tyfix Silver
(Grey)
Floor Tile Adhesive



CLASS:
IS 15477:2019 TYPE 1 T
EN/ISO-12004/13007 C1T



Technical Information As Per IS Standard Data

PROPERTY	REQUIREMENT	RESULT
Tensile Strength @ Dry Condition-Annex A (Clause 5.1)	Minimum 0.50 N/mm²	0.65-0.70 N/mm²
Shear Strength @ Dry Condition-Annex B (Clause 5.2)	Minimum 1.00 N/mm²	1.10-1.15 N/mm²
Slip Resistance Annex E (Clause 5.5)	≤ 0.5 mm	0.1-0.2 mm
Open Time - Annex C (Clause 5.3)	-	20 Min.

Coverage
Approx. 50-60 Sft Feet per 20 kg bag using 6 mm x 6 mm square notched trowel for a bed of 3 mm.

Packing
- 20 Kg BOPP Bag

Suitable Substrates
- Concrete
- Concrete Masonry
- Cement Mortar Beds
- Cement Plaster
- Brick Masonry
- Cement Terrazzo

Features / Benefits
- Single Component.
- Polymer Based, Interior Application.
- Used up to 12 mm Bed Thickness.
- Exceeds IS 15477:2019 Type 1T Adhesive Standards.
- Complies with EN / ISO with a C 1 T Classification.
- Complies with ANSI A118.1T shear & tensile Strength Requirements.
- Can be fortified with Arrotile polymix for external use.

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Tyfix Gold
(Grey/White)

Premium Floor & Wall Thin-Set Adhesive



CLASS:
IS 15477:2019 TYPE 2 T
EN/ISO-12004/13007 C2T



Technical Information As Per IS Standard Data

PROPERTY	REQUIREMENT	RESULT
Tensile Strength @ Dry Condition-Annex A (Clause 5.1)	Minimum 1.00 N/mm²	1.15-1.25 N/mm²
Tensile Strength @ Wet Condition-Annex A (Clause 5.1)	Minimum 1.00 N/mm²	1.15-1.20 N/mm²
Shear Strength @ Dry Condition-Annex B (Clause 5.2)	Minimum 1.25 N/mm²	1.40-1.50 N/mm²
Shear Strength @ Wet Condition-Annex B (Clause 5.2)	Minimum 1.00 N/mm²	1.05-1.15 N/mm²
Shear Strength @ Heat Ageing-Annex B (Clause 5.2)	Minimum 1.00 N/mm²	1.10-1.15 N/mm²
Slip Resistance Annex E (Clause 5.5)	≤ 0.5 mm	0.35-0.45 mm
Open Time - Annex C (Clause 5.3)	-	20 Min.

Packing
- 20 Kg BOPP Bag

Suitable Substrates
- Existing Natural Stone
- Concrete Masonry
- Cement Mortar Beds
- Cement Plaster
- Existing Vitrified Tiles & Ceramic Tiles

Coverage
Approx. 50-60 Sft Feet per 20 kg bag using 6 mm x 6 mm square notched trowel for a bed of 3 mm.

Features / Benefits
- Single Component.
- Polymer Based, Interior Application.
- Bonds With Various Substrates.
- Exceeds Is 15477:2019 Type 2 T Adhesive Standards.
- Complies With En / Iso With A C 2 T Classification.
- Complies With Ansi A118.1t Shear Bond Strength Requirement.
- Can Be Fortified With Arrotile Polymix For External Wall Area.

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Tyfix Platinum

(Grey/White)

Super Flex Multipurpose Floor and Wall Tile and Stone Adhesive



CLASS :

IS 15477:2019 TYPE 3 T S1
EN/ISO-12004/13007 C2TE S1



Technical Information As Per IS Standard Data

PROPERTY	REQUIREMENT	RESULT
Tensile Strength @ Dry Condition-Annex A (Clause 5.1)	Minimum 1.5 N/mm²	1.55-1.65 N/mm²
Tensile Strength @ Wet Condition-Annex A (Clause 5.1)	Minimum 1.00 N/mm²	1.10-1.20 N/mm²
Shear Strength @ Dry Condition-Annex B (Clause 5.2)	Minimum 1.5 N/mm²	1.60-1.70 N/mm²
Shear Strength @ Wet Condition-Annex B (Clause 5.2)	Minimum 1.00 N/mm²	1.10-1.20 N/mm²
Shear Strength @ Heat Ageing-Annex B (Clause 5.2)	Minimum 1.00 N/mm²	1.15-1.25 N/mm²
Slip Resistance Annex E (Clause 5.5)	≤ 0.5 mm	0.35-0.45 mm
Open Time - Annex C (Clause 5.3)	-	25 Min.

Packing

- 20 Kg BOPP Bag

Suitable Substrates

- Cement Mortar Beds
- Cement Plaster
- Brick Masonry Surface
- Concrete Surfaces
- Cement Terrazzo
- Quarry, Cement Body Tiles

Coverage

Approx. 50-60 Sft Feet per 20 kg bag using 6 mm x 6 mm square notched trowel for a bed of 3 mm.

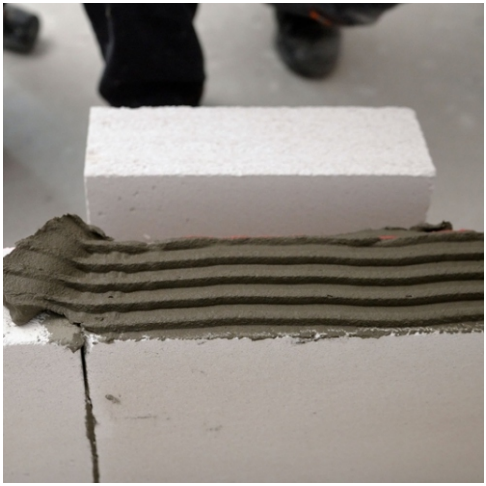
Features / Benefits

- Signal Component, Just add Water.
- Easy to use & Economical
- High strength with various Substrate.
- Water & Shock Resistance
- Complies with IS 15477:2019 - Type3 T S1 Adhesive Standards.
- High Open Time
- High Adjustability time

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Tyfix Block Fix

AAC Block Adhesive



CLASS :

IS 15477:2019 TYPE 1 T
EN/ISO-12004/13007 C1T



Working Properties (21°C)

AAC Block Adhesive mixed with Water

Adjustability time	20 minutes
Pot Life	2 Hours

Coverage

Approx. 80-100 Sq. ft per 40 kg pack using 4 mm x 4 mm square notched trowel for a bed of 3mm.

Packing

- 40 Kg BOPP Bag

Suitable Substrates

- ACC Blocks
- Cement Mortar Blocks/Bricks
- Concrete hollow blocks
- Fly ash bricks
- Light weight masonry blocks
- Clay bricks
- Cellular concrete blocks
- Calcium silicate brics

Features / Benefits

- No curing required after block work is done
- Flexible, shock & impact resistant
- Optimum compressive & splitting tensile strength
- Easy to use
- Long working time
- Fast & economical

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Tyflex PU-312

Modified PU Adhesive

Multipurpose, two component, Polyurethane thinset adhesive for fixing tiles and stone on interior and exterior floor & wall. Suitable for various drywall substrates including metals.

CLASS :

- IS 15477 : 2019 Type 5T S2 Adhesive
- EN 12004 : R2T ADHESIVE

Suitable Substrate :

- Concrete – VDF, Tremix and MIVON
- Concrete Masonry & Brick Masonry
- Cement Mortar Beds & Plaster
- Metal floors and walls
- Tile and Stone - Wood & Plywood**
- Cement Backer Board** & Gypsum board**
- Cement Terrazzo - Engineered stones & Marbles
- Epoxy or PU resin based substrates
- Rubber, PVC and Linoleum substrates

Coverage :

8 to 9 Sft per pack of 4 Kg with 1/4" x 1/4" (6mm x 6mm) square notched trowel for a bed of 3mm.



Packing

- 4 Kg Bucket



Technical Information As Per EN/ISO Standard Data

Test/ Reference	Requirement	Typical Values
Vertical Slip - EN 1308	≤ 0.5mm	0.1-0.2 MM
Tensile Adhesion – Open time Not less than 20 Min. – EN 1346	≥ 0.5 Mpa	1.5 - 1.8 Mpa
Initial Shear Bond – EN 12003, Clause 7.3	≥ 2.0 Mpa	2.3 - 2.5 Mpa
Tensile Adhesion Water Immersion – EN 12003, Clause 7.4	≥ 2.0 Mpa	2.2 - 2.3 Mpa
Shear Adhesion after thermal shock – EN 12003, Clause 7.5	≥ 2.0 Mpa	2.1 - 2.2 Mpa

Working Properties (21° C)

Appearance	Off white after mixing
Mixed Density	1800 Kg/ Cubic Mtr.
Shelf life	12 Months when stored under standard conditions
Application temperature	12° C to 40° C
Pot life	>1 hour
Open time	>1 hour EN 134 6
Adjustability	>1 hour
Vertical slip	< 0.5 mm EN 1308
Foot traffic	24 hours
Grouting	24 hours
Interval before normal use	3 days

Features / Benefits

- Two components, just mix and use.
- High strength, chemical resistant Economical & Easy to use
- Bonds to various substrates including metals
- Complies to EN/ISO with a R2T classification. Water, freezing, thermal shock resistant
- Flexible and heat resistant.

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Tyfix Standard

EPOXY ADHESIVE

Description :

Arrotite Standard Resign is a Modified with Bisphenol - A modified epoxy resin. Arrotite Standard Hardner is a suitable to cure epoxy resin at ambient temperature. It is also suitable for bonding a variety of materials including metal, ceramic, and concrete.

Application :

- Metal
- Ceramics
- Concrete
- Marble joining
- Electronic speakers
- Road Reflector Jointin





Working Properties (21° C)

Process	Unit	Value
Mixing Ratio	w/w	100 : 80
Pot Life@25°C	Minutes	35-55
Surface Dry of Thin Film @ 27°C	Minutes	60-90
Touch Dry of Thin Film @ 27°C	Minutes	150-180
Hard Dry of Thin Film @ 27°C	Minutes	250-400
Tensile Shear Strength Al-Al joint, after 24 hours @ 27°C	Kg/Sq. cm	90-120

Packing

- 450 gm, 900 gm & 1800 gm

Features / Benefits

- High shear and peel strength
- Good electrical insulation properties
- Medium working Time
- Water resistance
- Long open time
- Easy to apply



Grouts & Cleaners

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Tylopoxy Tile Grout

Epoxy Tile Grout (Three Part)



CLASS :

- ISO 13007 / EN
- ANSI : A 118.3

Available Colour :
15 Different Type of Shade in Simple
40 Different Type of Shade in Sparkal

Working Properties:

Pot life	45 minutes
Foot traffic	24 hours
Heavy traffic	72 hours



Suitable Substrate

- Ceramic tile
- Vitrified tile
- Glass Mosaic Tiles
- Granite
- Marble
- Metal tiles
- Agglomerates (Engineered Stones)
- Precast Terrazzo tiles

Packing

- 1 & 5 Kg

Features / Benefits

- Stain-free
- Colour fast
- Easy to clean
- Chemical and Temperature resistant
- Non-cracking or powdering
- Complies with ANSI A 118.3, EN 13888, Standards.
- Water and shock resistant.

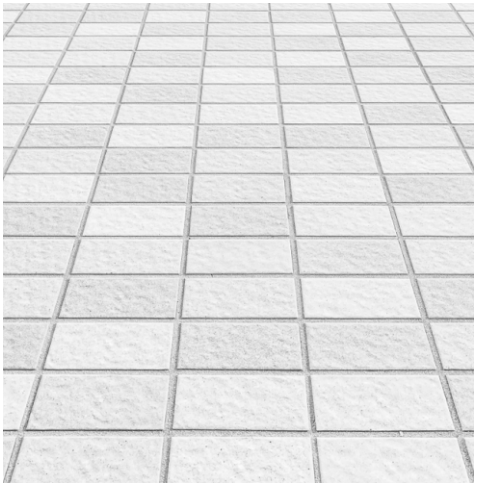
Application

Designed especially for interior and covered exterior floor and wall joints of all types of ceramic tile, vitreous, semi-vitreous tile, glass mosaic tiles, metal tiles, precast terrazzo, engineered stone floors and natural stones. Recommended for Institutional and commercial kitchens, Cafeterias, residential facilities, Rest rooms, Schools and wet areas like swimming pools, sauna, water bodies and wash rooms.

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Tyfix Grout

Pigmented, Cement Based
Tile Joint Filler



Available Colour :
10 Different Type of Shade

Technical Information As Per IS Standard Data

Test	Method	Results	Specification
Flexural Strength	ANSI A118.6 H–4.7	450–550 psi (3.1–3.8 MPa)	> 400 psi (2.7 MPa)
Linear Shrinkage 1 day	ANSI A118.6 H–4.3	0.01–0.03 %	< 0.03 %
Linear Shrinkage 7 days	ANSI A118.6 H–4.3	0.08–0.1 %	< 0.1 %



Working Properties:

Pot life	5 hours
Foot traffic	24 hour
Heavy traffic	72 hour
Wet Density	(1.66kg/m³)

Packing
- 500 Gm & 1 Kg Pouch

Application
Below sloping screed or waterproof plaster on :
- Roofs, terraces and balconies as a sandwich layer.
- Pools and fountains.
- Reservoirs and channels.
- End walls subjected to rain.

Features / Benefits
- Mix with water or for improved performance, fortify with Polymix.
- Excellent for wet and dry areas.
- Non-dusting, non-spalling and non-yellowing.
- Non-shrinking.
- Easy maintenance.
- Dense.
- Easy application and clean-up.
- No pre-soaking or wetting tile.
- No damp curing required.
- Available in a range of exciting non-fading.
- colors for interior and exterior use.

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Grout Hardener



Suitable Substrate

- Ensure 24 hours time interval for grouting after tile fixing.
- The joints must be dry, clean, free of dust & adhesive.
- Emptied at least 2/3 of the tile thickness depth.
- Before grouting, make sure that the installation the adhesive has set and released most of its moisture. The joints should not bewet during work.
- Put masking tape by side of grouting space or sealer if necessary



Technical Information As Per IS Standard Data

APPLICATION PROPERTIES (Roff RTM Wide Additive + RTM Cement Tile Grout)	
Testing Properties	**Test Results**
Appearance/ Color	White Liquid
Tentative Mixing Ratio (RTM : RTM Wide Additive)	200 ml or 400 ml for 1 kg RTM (2.5 - 3 : 1 by weight)
Mixed Density	1.75 ± 0.05 kg/ litre
Pot life @ 30°C	Approx. 60 minutes
Joint Width	1 – 6 mm
Sag Resistant	Non-sag
VOC Content (as per EPA 24)	< 14.41 g/ litre
Application Temperature	from +10°C to +35°C
Light Foot Traffic	24 hours
Regular Traffic	72 hours
Final Curing Time	28 days

Packing

- 100, 250, 500 ml & 1 Ltr.

Application

- Using a hard rubber squeeze/ grout floater, 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.
- Work in small areas to have better control on removing the excess grout from joints and surface by moving the squeeze diagonally to the grout lines
- Ensure that joint is filled completely, and grout is not just sitting on top.

Features / Benefits

- Easy to use & clean - Just mix with Polymix grout on site, ready to use.
- Polymer emulsion - Impart flexibility, water & stain resistant, abrasion resistant.
- Suitable for varied tile and stones - Ceramic, vitrified, marbles, granites etc.
- Crack free and less of shrinkage reduces the chances of water seepage.
- Durable - Enhances compressive & flexural strength and shock resistance

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Tile Cleaner

Concrete Remover, Cleaning And Etching agent



USE :

For the removal of mortar and plaster runs, droppings and stains from brickwork and concrete surfaces Also for removal of hardened concrete from tools, machinery and equipment, or rust and mill scale from steelwork.

Suitable for etching of concrete floors and surfaces prior to application surface coatings

Properties :

Specific gravity: Typically 1.08 at 25° C

Description :

TILE CLEANER is a combination of acid based material, corrosion inhibitors and dispersing agents and is supplied as a clear blue solution.



Features / Benefits

Rapid action: Safe with Tiles, wood, glass, plastic and rubber. No corrosive action. Penetrates oil and grease.

Packing

- 500 ml, 1 & 5 Ltr.

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Crome Clean

Cleaner for Chromium Plated Fitting & Sanitary wares



Description :

CHROME CLEAN is an effective cleaner designed for chromium plated (CP) fitting & Sanitary wares. It removes stubborn water stain marks and hard scaling from the surface., which develops due to the hardness of water and stop their regrowth to build up.

Use :

CHROME CLEAN can be used on

- CP Fitting & Accessories
- Bath Fittings & Bath Accessories
- Kitchen Sinks
- Washbasins
- Sanitary Wares



Application :

- Use rubber gloves.
- Test the cleaner initially on a small inconspicuous area.
- Liberally spray CHROME CLEAN on CP
- Fittings & Sanitary area to be cleaned.
- Using a cotton cloth, tooth brush or a scrubbing pad, thoroughly scrub the area treated with CHROME CLEAN.
- Repeat the process in case of old scaling.
- Mop up the solution & rinse well with water until all the traces of the solution have been removed.
- Clean any spillage by washing thoroughly with water.

Features / Benefits

- Effective cleaner for CP fittings & sanitary wares.
- Removes hard scaling which develops due to hardness of water.
- Removes stubborn water stain marks & lime scale.
- Based on surfactant to protect your chrome plated taps.
- Ready to use as a spray cleaner.

Packing

- 250 ml

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Glass Cleaner

Super Power Household Glass Cleaner



Use :
Turn Nozzle To Spray Or Stream Position For Fine Mist Over Surface Wipe White Clean Dry Cotton Cloth To Get Clean & Extra Ordinary Result.

Perfect For Cleaning :
Glass & Shiny Surface, Like Mirrors, Glass Windows, Fridge, Tv, Oven, Kitchen, Cabinet, Furniture etc.
Removes Dirt, Grime, Oil Stains.
Can Also Be Used Counter Top, Furniture With Laminates.
On Coloured Surfaces Like Appliances, Ceramic Tiles



Caution :
Unplug Electrical Appliance Before Use.
Do Not Inhale.
If Sprayed In Eyes, Rinse With Plenty of Water.
Keep Away From Children
Check Usage Manual Before Use.

Features / Benefits :
- For cleaning of all type of glass and mirrors.
- Rapid action leaves the surface clean and streak-free.
- Contains pleasant & refreshing fragrance.
- Easy to make, Diluted with water and used as an instant spray.
- Rapid removal of oil, grease and soiling.
- Even removes finger marks.

Packing
- 500 Ml

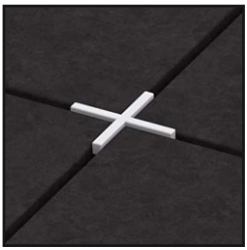
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Tile Fitting Accessories



Tile Spacer

Available Size :
2, 3, 4, 5, 6, 8, 10 mm





Tile Leveler

Wedges - 50 Pcs Packing
Clip - 50 Pcs Packing
(Size : 2, 3, 4 mm)





Tile Leveler Pillar

1 Pcs Packing



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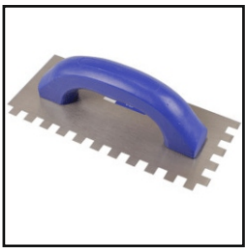
Tile Fitting Accessories



Tile Leveler Jack

50 Pcs Packing





Adhesive Trowel

3x3 Notch Trowel
6x6 Notch Trowel
8x8 Notch Trowel
10x10 Notch Trowel





Double Vacuum Suction Cup Lifter

1 Pcs Packing



Waterproofing & Admixture



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W+

Intergal Waterproofing Compound



CLASS:
IS 2645:2003

Technical Information As Per IS Standard Data

PROPERTY	SPECIFICATION	RESULT
Appearance		Free Flowing Liquid
Colour		Wine Red
Sp. Gr. @ 25°C		1.04 - 1.09
Non Volatile Content		13.5 - 14.5%
pH Value		11.0 - 14.0
Setting time, Minutes	IS : 2645 : 2003	Passes
Chloride Content	IS : 2645 : 2003	0.03%
Water Permeability	IS : 2645 : 2003	Passes
Compressive Strengh N/mm^2	IS : 2645 : 2003	As per the standard

Dosage
200 ml to 250 ml Per 50 Kg Bag of Cement.



Packing
- 1, 5, 10 & 20 Ltr.

Features / Benefits
- Corrosion Resistant
- Compatibility
- Reduces Permeability
- High Strength
- Reduces Shrinkage
- Improve Workability
- Increases Durability

Application

Waterproofing of Concrete and sand-cement Mortar Used in
- Basement
- Roof Slabs and Screeds.
- Water Tanks & Water Retaining Structures.
- External Plastering.
- Bathrooms and balconies.
- Sumps and drains.

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SBR Latex

Mortar And Screed Modifier Cum Bonding Aid (45% Solid Content)



Application

- **For concrete repairs -** Spalled concrete of floors, columns, beams, chhajas, slabs,parapets, etc.
- **For waterproofing –** Small roof terraces, sunken portions of toilets & bathrooms, chhajas & lift pits, balconies & staircases.
- **For waterproofing –** Liquid & effluent tanks, car decks & walkways.
- **As a bonding agent –** Bonding mortar for tiles & panels, as undercoat for special finishes such as top rendering coat for chemical resistant floors.
- **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, high wear & erosion resistant render. As bonding slurry coat for pinhole treatment on concrete surface & as repair mortar for overhead application.



Technical Information As Per IS Standard Data

PROPERTIES	SPECIFICATION	RESULTS
Base		SBR latex (styerene, butadine rubber)
Coverage oPCS: URP, 1:5 pbwt		20 – 22 sq ft/kg for two coats 1:1.5
total active solid content		45 ± 2%
pH		8 – 9
pot life @ 30 °C		30 – 45 minutes at 30 °C
Speciic gravity at 30 °C		1.01+/- 0.02
pH		7 to 9
Compressive strength, n/mm² – 7 days	(BS6319 part2:1983)	Passes the specification.
tensile strength,n/mm²	(aStM C – 190-85)	Passes the specification
flexural strength,n/mm²		9>
Slant shear bond, n/mm²	aStM 881	30
Chemical resiatance to mild acids, alkalies, sulphates.		Resists
Resistance to water pres - sure, bar		Upto 2
freeze thaw resistance		excellent

Packing

- 500 ml, 1, 3, 5, 10 & 20 Ltr.

Dosage

10 litres Tetrabond SBR Latex per 50 kg OPC Cement

Features / Benefits

- **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

Wall Putty & White Chment



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Wall Putty

Fine

Water resistant white cement based wall Putty ideal for use on Plastered/concrete walls and ceilings.

Suitable Substrate

- Concrete & Concrete Masonry
- Cement Plaster
- AAC Block work
- Cement Backer Board
- Calcium Silicate Board
- Gypsum Wallboard



Packing

- 40 Kg Bag

Application

Especially Designed for interior and exterior surfaces. Highly water resistant skim coat which smoothens the surfaces of plaster, ready for subsequent painting work.



Technical Information As Per IS Standard Data

HDB Data		
Property: Test Method	Requirement	Typical Values
Initial Setting Time - BS 4551 Part-1	240-360 mints	250 Minutes
Final Setting Time- BS 4551 Part-1	≤ 500 mints	360 Minutes
Tensile Adhesion Strength @ 14 Days - EN 1015 - 12	≥ 0.8 N/mm ^{2}	1.20 N/mm ^{2}
Compressive strength @ 28 Days - EN 1015 - 11	7 to 12 N/mm^2	8.2 N/mm ^{2}
Water absorption- EN 1015 -18	--------	0.03 Kg/m2
Water Retentivity BS 4551-1	≥ 95 %	99.0 %

Features / Benefits

- White smooth and glossy finish
- Highly durable & water Resistant
- Anti fungal.
- No need of primer before applying paint.
- Strong adhesion strength.
- No curing required.
- Increases Paint Coverage
- Low VOC
- Complies to HDB, Singapore standard
- Easy for application and papering

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White Cement

Advance Decorative White Cement



Use :

TYFIX WHITE CEMENT Decorative White Cement should be adjusted by water to the density suitable as per above application as like white cement application.

Description :

Decorative white cement TYFIX WHITE CEMENT is a wall decoration material which is ground by high quality white Portland cement clinker by the advanced technology and result characterized by high whiteness, high strength, excellent degree of fineness, good adhesion, high construction performance, high consistency, etc.

Application :

- Designer Flooring
- Marble Flooring
- Terrazzo Flooring
- Architectural Uses
- Ornamental Uses



Features / Benefits

- More Whiteness & Brightness
- Decorative & Economical
- Aesthetic Appeal
- Superior bonding with surface
- Strength of adhesion to the base is distinctly improved.

Packing

- 1 kg & 5 kg Pouch



OUTHER PRODUCTS



TYFIX™
Make It Strong..

Ty Quick

Instant Adhesive



Use :
Bond Metals, Plastic, Rubber, Ceramics within seconds

Application :
The surfaces to be bonded should be clean & dry. Apply on drop for each 5 sq. cm of area on one surface only. Position & join both the surface quickly & press for few moments.

Storage :
Store material in closed container in upright position in a cool & dry place.

Caution :
Skin or any other body part should not come in contact with TY QUICK because it bonds skin.In case of skinbonding DO NOT PULL APART. Soak in warm water or nail polish remover and pull slowly, in case pf pain, discomfort etc. Take medical advice.

Warning :
Read instruction before use. Keep out of reach of children. TY QUICK bonds skin/body parts.



Features / Benefits :

- Quick setting, with just enough time (15-20 seconds) for adjustment – instant bonding combined with convenience to realign.
- Fixes wood, mica, metal, magnet, acrylic and other materials – allows for versatile carpentry usage.

Packing
- 20 Gm & 50 Gm

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Tyseal PU

(WHITE/GREY)

POLYURETHANE JOINT SEALANT



Description :

Tyseal Pu Sealant Is A One-part Polyurethane Joint Sealant Suitable For Horizontal And Vertical Use. Tyseal Pu Sealant Meets The Requirement Of Astm C920 And Iso Classification F25lm

Application :

- Movement joints in precast concrete construction.
- Balcony parapets.
- Retaining walls.
- Bridge culverts.
- Floor joints.
- General caulking to windows, door frames & skirting etc.

Coverage :

Approximate consumption

Joint width	10 mm	15 mm	20 mm	25 mm	30 mm
Joint depth	8 mm	8 mm	10 mm	12 mm	15 mm
Joint length/600 ml	~7.5m	~4.5m	~2.5m	~1.6m	~1.3m

Technical Information As Per IS Standard Data

PROPERTY	SPECIFICATION	RESULT
Minimum/Maximum joint width		10 mm/35 mm
Colour		Grey/White/Beige
Density (g/cc)		1.25 +/- 3
Skinning time, minutes		40 – 45 mins
Services temperature range		–40°C to +70°C
Tear strength		6N/mm (+23°C/50% RH)
Hardness, Shore A	ASTM C-920	30 (+23°C/50% RH)
Staining	ASTM C-920	No staining
E=modulas		0.4 N/mm^2 @100% elongation (23°C/50% RH)
Movement accommodation factor		+/–25%
Elongation at break		500% (+23°C/50% RH)
Cure rate	DIN 53504	2 mm per day



Available Colour

- Grey & White

Packing

- Available in 600 ml capsule

Features / Benefits

- Ready to use single component product.
- Forms a permanent, tough, elastic rubber seal.
- Excellent adhesion to concrete, brickwork, painted wood, glass, glazed surfaces, aluminum, stainless steel, steeland plastics.
- Non-sag.
- No staining of cementitious substrates.
- Accommodates continuous and pronounced cyclic movement

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Tyseal

(WHITE/GREY/TRANSPARENT)

SILICONE JOINT SEALANT



Description :
Tyseal is one part, all weather, highly flexible, neutral plus, non corrosive, high performance RTV silicone sealant. It is a cost effective, multi-purpose, neutral cure silicone sealant for tough but flexible bonding with long term durability. It is suitable for sealing vertical and overhead gaps also.

Use :
Remove all dirt and oil from surfaces. Apply Tyseal with suitable dispensing equipment. Repeat the application, if require.

Application :
Tyseal can be used for bonding & sealing Glass, Aluminium Composite Panels (ACP), Aluminium Door/Window Frames, Facade, etc.

Storage :
Store in cool (5°C to 25°C) dry place and away from direct sunlight.



Available Colour
- (White/Grey/Transparent)

Packing
- 280 Ml

Features / Benefits :
- Ability To Withstand High & Low Temperatures Far Better Than Organic Rubber.
- Silicone Sealants Are An Excellent Insulating Material.
- Highly Durable and Form Tight Seals.
- Great Aesthetic Finish.
- Water Repelling Material.
- Good Thermal Stability.
- Low Chemical Reactivity.

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Powerfloor

Non Metallic, Monolithic Surface Hardening Compound

Available colour

Grey, White, Yellow, Red, Green, Blue





Application :

Base concrete : The base concrete should have a minimum cement content of 300 kg/m3. The concrete mix should be designed to minimize segregation and bleeding. Free water cement ratios of less than 0.55 are required. Use of 's water reducing admixture is recommended. The base concrete should be laid and compacted in accordance with good concrete practice. Accurate finished profile and minimum laitance build-up should be ensured. Particular attention should be paid to bay edges and corners to ensure full compaction. POWERFLOOR is applied for different types of industrial use.

ApplicationRate (kg/m^2)	Intendedtraffic use
7.0	Heavy
5.0	Medium
3.0	Light

Features / Benefits

- Silica based - does not rust or stain.
- Provides a hard, abrasion resistant surface.
- Forms monolithic bond with base concrete.
- Easy and economical to apply.

Packing

- 30 kg Bag.

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For Industrial Use

Hard Block
Paver Block hardener (Chloride Base)
Packing : 250 kg

Hard Block Plus
Paver Block hardener (Chloride Base)
Packing : 250 kg

Hard Block PC
Paver Block hardener (PC Base)
Packing : 220 kg

Hard Block Melemine
Paver Block hardener (Melemine Base)
Packing : 220 kg

Hard Poll
Cement Accelerator
Packing : 250 kg

Lacquer PB
Paver Block Coating
Packing : 50, 200 Ltr



TYFIX™
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Tiles Grout Application

Areas of Application

Tyfix Tile Grout is used for grouting of ceramic tiles, marbles, natural stones and edges.

* Specially formulated for wet or submerged grouting applications such as swimming pool, bathrooms, toilets, fountains and kitchen areas.
* It can be used for external and internal areas.
* It is used in residential and commercial areas.
* Application up to joint width of 2-4mm.
* It is excellent for highly glazed tiles to give a smooth and watertight joints which when set will be both water and mould resistant.

Method of Application

1 Surface Preparation

* Surface must be cleaned and should be free from dirt, cured tile adhesive. Remove dust with wire brush & by air blower.
* For exterior grouting application, wet the tiles prior to applying **Tyfix Tile Grout.**

2 Mixing

* Add the grout powder to the mixing **GROUT HARDNER** (w:p ratio – 1 : 2.5 by volume) and mix with slow speed drill (250-300 rpm) to a soft & smooth consistency paste.
* If the grout mortar has become too stiff to work, it should be discarded and a new batch should be prepared.

3 Application

Apply to the tile joints with squeegee, spatula or putty blade. After application flush the surface of tile using a hard rubber float, working diagonally across the grout joints to fill and compact the joints. All excess grout should be removed with the same rubber float without any delay.

*Lesser the quantity of grout left on the face of the tiles while application, the final cleaning will be easier. with **Tyfix Tile Cleaner.**

*However, it is important to allow the grout to set in the joint and to let it acquire its initial set before any further cleaning. After the initial set of the grout, clean the tile surface with a pad of cheesecloth or towel dampened with minimum quantity of clean and cool water. Rub in a circular motion to further compact the grout.

*The remaining surface grout on the tile can also be cleaned at this time. Scrubbing pad fastened to a float works very well to remove grout from the porous tiles.

*Rebuff the tile surface and grout within 1-2 hours to remove all weep water and grout residue from the surface, which helps to reduce the efflorescence and to control colour variation.

4 CLEANING

*Polish the tiles when the job is complete with a clean dry cloth. Scrubbing the floor with hot water and soap water is the best.

*Due to polymer content, it is advisable to clean the surface immediately after the grouting.

Shelf Life & Storage

Shelf life is 12 months from the date of manufacturing in unopened condition.

Store in a cool & dry place.

Health & Safety Precautions

Protective clothing, such as gloves and goggles, should be worn.

* Treat any contact to the skin or eyes with fresh water immediately.
* Do not induce vomiting & seek medical
* Assistance immediately.
* Reseal pack after use and ensure product is stored as instructed..



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ADHESIVE APPLICATION

Method of Application

1 Surface Preparation

* The surface should be sound, clean, and free from dirt, oil or grease before **Tyfix Adhesive** is applied | Substrate should be in Saturated Surface Dry (SSD) condition before application of adhesive | Substrates should be in plumb before application of adhesive

2 Mixing

Mix 20 kg of **Tyfix Adhesive** with 5 to 6 liters of water | Mix to a uniform lump-free consistency using a forced action mixer | Keep it for approximately 5 minutes to fatten it | Hand mixing is recommended for small quantities only | Mix as much quantity as can be consumed in 25 min.

3 Application

Apply **Tyfix Adhesive** paste on substrate with plain side of notch trowel.
Press paste firmly to work into substrate.
Comb with notch trowel with notched side, notch trowel to be selected as per required bed thickness | Spread as much adhesive paste as can be tiled within 15 minutes | Start placing/fixing of tiles & tap using beating block or rubber mallet | For large format tiles & stone provide back butter for 100 % coverage & firm bonding | Periodically remove a tile to check transfer of material on tile. Also check spread of adhesive, if not proper and if becomes non-sticky then scrap it & apply paste again...

4 GROUTING

Grouting should preferably be carried out at least 24 hours after the completion of tiling. For grout joints upto 3mm wide use **Tyfix Tile Grout & Epoxy Grout** | For grout joints above 3mm wide use RTM Wide | After grouting clean and polish tiles with a damp sponge or cloth

5 CLEANING

Clean the tools & equipments with potable water immediately after use.

Precautions &Limitations

Always add powder to liquid and not liquid to powder While working in temperature more than 35°C (95°F) always dampen the substrate &finish faster Tiling should not be done when surface temperature is below 40C.

Health & Safety Precautions

Protective clothing, such as gloves and goggles, should be worn. Treat any contact to the skin eyes with fresh water immediately. Do not induce vomiting & seek medical Assistance immediately Reseal pack after use and ensure product is stored as instructed..

Shelf Life & Storage

Shelf life is 12 months from the date of manufacturing in unopened condition.
Store in a cool & dry place.

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APPLICATION WISE PRODUCT RECOMMENDATION CHART

TILE ADHESIVE

AREA OF APPLICATION

SUBSTRATE	TYPE OF FINISH	PRODUCT RECOMMENDATION		
		1	2	3
INTERNAL CEMENT FLOOR	CERAMIC TILES	TYFIX SILVER		
	VITRIFIED TILES	TYFIX GOLD	TYFIX SILVER	
	GLASS MOSAIC TILES	TYFIX PLATINUM + GROUT HARDNER	TYFIX PLATINUM	
	LOW POROUS STONE	TYFIX PLATINUM +	TYFIX PLATINUM + GROUT HARDNER	TYFIX PLATINUM
EXTERNAL CEMENT FLOOR	CERAMIC TILES/VITRIFIED TILES/MOSAIC TILES	TYFIX PLATINUM + GROUT HARDNER	TYFIX PLATINUM	TYFIX GOLD
	ALL NATURALS STONE	TYFIX PLATINUM +	TYFIX PLATINUM + GROUT HARDNER	
INTERNAL CONCRETE/ PLASTER WALL	CERAMIC TILES	TYFIX GOLD	TYFIX SILVER	
	VITRIFIED TILES	TYFIX PLATINUM	TYFIX GOLD	
	GLASS MOSAIC TILES	TYFIX PLATINUM +	TYFIX PLATINUM	
INTERNAL GYPSUM BOARD WALL/CALCIUM SILICATE WALL BOARD/CEMENT BACKER BOARD	CERAMIC TILES/VITRIFIED TILES/MOSAIC TILES	TYFIX PLATINUM+ + GROUT HARDNER	TYFIX PLATINUM +	
EXTERNAL CONCRETE/ PLASTER WALL	CERAMIC TILES/VITRIFIED TILES/MOSAIC TILES	TYFIX PLATINUM + GROUT HARDNER	TYFIX PLATINUM	
	NATURAL STONE/ MEDIUM FORMATE	TYFIX PLATINUM+ + GROUT HARDNER	TYFIX PLATINUM +	TYFIX PLATINUM
GROUT				
INTERNAL FLOOR & WALL RESIDENTIAL	LIVING AREAS	TYOPOXY TILE GROUT SP/GSP/CSP	TYOPOXY TILE GROUT SIMPLE	TYFIX GROUT + GROUT HARDNER/ TYFIX GROUT + SBR LETEX
	BATHROOM, KICHEN, SWIMMING POOLS, WATER BODIES	TYOPOXY TILE GROUT SP/GSP/CSP	TYOPOXY TILE GROUT SIMPLE	
INTERNAL FLOOR & WALL RESIDENTIAL	OFFICE ROOMS, MEETING ROOMS, TOILETS ETC.			
INTERNAL FURNITURES	DOORS, TV STAND AREA ETC.	TYOPOXY TILE GROUT DIAMOND	TYOPOXY TILE GROUT SP/GSP/CSP	
EXTERNAL FLOOR & WALL RESIDENTIAL	RES	TYOPOXY TILE GROUT SIMPLE	TYFIX GROUT + GROUT HARDNER/ TYFIX GROUT + SBR LETEX	
WALL PUTTY				
INTERIOR/EXTERIOR	WALLS & CEILINGS WITH > 3 MM UNDULATIONS	TYFIX WALL PUTTY ROUGH + TYFIX WALL PUTTY FINE		
	WALLS & CEILINGS WITH GOOD PLUMB & LEVEL	TYFIX WALL PUTTY FINE		



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Authorised Distributer/Dealer

Mfg. by :

TYLOX Industries

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