

GRIPTILE SILVER

KB BuildChem GripTile Silver is a Type 1, single-component, polymer-modified tile adhesive formulated with high-quality cement, graded silica sand, and performance-enhancing additives.

It is a high-strength, multipurpose adhesive in powder form, suitable for fixing tiles on both horizontal and vertical interior applications over cementitious substrates.

KB BuildChem GripTile Silver conforms to the following standards : IS 15477-2019 TYPE 1T | EN 12004/ISO 13007 C1T

PRIMARY USE

Suitable for fixing ceramic and mosaic tiles on interior cementitious floors and walls. It provides reliable adhesion for standard tile installation in residential and light commercial applications.

MERITS

- **Ready to Use (Just Add Water)** : Pre-formulated powder requiring only the addition of clean water for easy and convenient preparation.
- **Non-Shrink with Excellent Adhesion** : Incorporates special performance additives that minimize shrinkage and enhance bonding strength.
- **Superior Bond Compared to Conventional Mortar** : Provides better adhesion and durability than traditional cement-sand mortar applications.
- **Fast Setting & Rapid Strength Development** : Allows quicker tile fixing and faster project completion.
- **Self-Curing Properties** : Reduces the need for additional curing procedures under normal conditions.
- **Good Mechanical Strength** : Ensures durable performance and resistance to mechanical stresses in interior applications.

DIRECTION OF USE



Surface Preparation :

- Ensure the surface is sound, clean, dry, and free from dust, oil, or loose particles.
- Existing tiles must be firmly fixed and thoroughly cleaned.
- For glazed tiles, it is recommended to lightly abrade the surface to enhance bonding before laying new tiles.



Mixing Instruction :

- For a 20 kg bag of KB BuildChem GripTile Silver, add approximately 4.4 – 4.8 litres of clean water. Use a slow-speed mechanical mixer (paddle type) for best results.
- Gradually add the powder to the water while mixing continuously until a smooth, uniform, and lump-free paste is achieved.
- Ensure that the prepared adhesive is used within its specified pot life. Do not add additional water once the mix has started to set. Always add powder to water – never add water to powder to avoid lump formation.
- Mix thoroughly until a smooth, creamy paste is achieved.
- Allow the mix to stand for 5 minutes (maturation).
- Remix briefly before application.



Application Method :

- Spread the prepared adhesive evenly over the substrate to the required bed thickness using a suitable notched trowel, held at approximately a 45° angle to the surface.
 - Apply the adhesive only over an area that can be tiled within the specified open time. Place the tiles firmly onto the adhesive bed using a slight twisting motion to ensure proper contact and full coverage.
- If the applied adhesive dries due to delay in tile placement, remove the dried material completely and apply fresh adhesive before fixing the tiles. Do not re-temper or add water to the partially set material.



Finishing :

- Clean excess adhesive and polish tiles using a damp sponge or cloth for a perfect finish.

STORAGE

- Offers a long 12-month shelf life when kept in a cool, dry place in original sealed bags.

Available Packaging

20 kg Bag

TECHNICAL DATA

General Properties

Testing Properties	Test Result
Bulk Density (at 27°C, IS 2386 Part 3)	1.3 – 1.5 kg/L
Mixed Density	1.7 – 1.9 kg/L
Water/Powder Ratio (W/P)	0.22 – 0.24
Mixing Time	Approx. 3 minutes
Pot Life (at 30°C)	90 – 120 minutes
Open Time (at 30°C)	10 – 20 minutes
Adjustable Time	20 – 30 minutes
Light Foot Traffic	Overnight (Thin bed application)
Trafficable Time	24 hours (max.)
Curing Time (at 30°C)	14 days
VOC Content	0.65 g/L
Chemical Base	Cementitious mortar modified with polymers
Layer Thickness	3 mm – 8 mm
Performance Standard	IS 15477 : 2019

Coverage

Thickness	Coverage
3mm	3 – 4 Sq.Ft./kg
6mm	1.2 – 1.6 Sq.Ft./kg

Slip Resistance

Requirement	Result
<0.5 mm	0.30 mm

Note: Ensure all surfaces are clean, smooth, plumb, levelled, and free from undulations or defects for maximum coverage.

Tensile Adhesion Strength (28 Days)

Conditions	Requirement	Test Result
Dry Condition	>0.5 N/mm ²	0.61 N/mm ²
Wet Condition	-----	-----

Shear Adhesion Strength (28 Days)

Conditions	Requirement	Test Result
Dry Condition	>1.0 N/mm ²	1.15 N/mm ²
Heat Aging Condition	-----	-----
Wet Condition	-----	-----

SAFETY PRECAUTION

Surface Preparation :

- GripTile Powder is safe to use under normal conditions. Avoid swallowing and prevent direct contact with skin and eyes.
- Store in sealed original containers, protected from extreme weather conditions and moisture.
- Always add powder to water – never add water to powder.
- Protect freshly applied material from direct rainfall and foot traffic for at least 24 hours.

Disclaimer : Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control, hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.



CORPORATE OFFICE

Survey No. 176, Plot No. 2, Nr. Arsh Alloys, Ghanghali, Sihor,
Sihor, Bhavnagar- 364240, GUJARAT

HelpLine

+91 78741 94733

E-Mail : info@kbbuildchem.com