

GRIPTILE GOLD

KB BuildChem GripTile Gold is a Type 2, cement-based, ready-to-use premixed single-component tile adhesive in powder form. It is polymer-modified and specially formulated for versatile tile applications.

Suitable for both horizontal and vertical installations, it provides reliable adhesion on concrete and plastered surfaces, making it ideal for interior wall and floor tile fixing.

KB BuildChem GripTile Silver conforms to the following standards :

IS 15477 : 2019 – Type 2T S1 | IS 2386 (Part 3) – For Bulk Density determination | EN 12004 / ISO 13007 – C2T S1

PRIMARY USE

Designed for fixing ceramic, glazed, mosaic, and granite tiles on concrete, cement screeds, and existing ceramic or terrazzo tiles. Perfect for exterior wall and column cladding and for wet areas like swimming pools, bathrooms, and kitchens.

MERITS

- **Suitable for Damp Substrates** : Can be applied on damp (not waterlogged) surfaces without affecting bonding performance.
- **High Adhesive Bond Strength** : Ensures strong and durable adhesion for long-lasting tile installations.
- **Excellent Slip Resistance** : Reduces tile sagging on vertical surfaces, allowing secure and stable fixing.
- **High Early Strength Development** : Achieves early bonding strength, enabling quicker completion and usage.
- **Fast Curing** : Supports faster project progress with reduced waiting time.
- **Suitable For Low Porosity Tiles** : Formulated to provide reliable bonding for ceramic, marble, granite, and other low-absorption tiles.
- **Thixotropic Formulation** : Offers easy application with minimal sagging and improved workability.
- **Economical Solution** : Cost-effective adhesive delivering dependable performance for standard tile 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 Gold, add approximately 4.8 – 5.2 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 |
|--|--|
| Appearance | Grey / White Powder |
| Chemical Base | Cementitious mortar modified with polymers |
| Bulk Density (at 27°C, IS 2386 Part 3) | 1.3 – 1.5 kg/L |
| Mixed Density | 1.8 – 2.0 kg/L |
| Water/Powder Ratio (W/P) | 0.24 – 0.26 |
| Mixing Time | Approx. 3 minutes |
| Pot Life (at 30°C) | 90 – 120 minutes |
| Open Time (at 30°C) | 20 – 30 minutes |
| Adjustable Time | 30 – 40 minutes |
| Light Foot Traffic | Overnight (Thin bed application) |
| Trafficable Time | 24 hours |
| Curing Time (at 30°C) | 14 days |
| VOC Content | 0.68 g/L |
| 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 | 0.20 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 | >1.5 N/mm ² | 1.30 N/mm ² |
| Wet Condition | >1.0 N/mm ² | 1.15 N/mm ² |

Shear Adhesion Strength (28 Days)

| Conditions | Requirement | Test Result |
|----------------------|------------------------|------------------------|
| Dry Condition | >1.5 N/mm ² | 1.40 N/mm ² |
| Heat Aging Condition | >1.0 N/mm ² | 1.23 N/mm ² |
| Wet Condition | >1.0 N/mm ² | 1.50 N/mm ² |

Deformability

| Requirement | Result |
|---------------|---------|
| 2.5 to 5.0 mm | 3.70 mm |

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.



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