

D+ GOLD 4000 (Grey)

PREMIUM QUALITY -HIGH POLYMER MODIFIED DEFORMABLE ADHESIVE

**DESCRIPTION**

- Grey cement based, high polymer modified and high strength adhesive specially designed for fixing large format vitrified tiles, glass mosaic, porcelain, terrazzo, non- staining natural & engineered* tile/stone on cementitious and a variety of dry-wall board substrates. The additional property of water & frost resistance enables the product to be used in interior/exterior situations and in wet areas like swimming pools, saunas, hydrotherapy pools and shower enclosures. The adhesive can be used up to 6mm bed thickness (can be extended up to 12 mm in area of limited extent).

STANDARDS Confirms to **IS 15477: 2019 Type 4 TS1** "Specification for Adhesives for use with Ceramic, Mosaic and Stone Tiles" Confirms to **EN 12004: 2017** and is a improved cementitious adhesive (C2) with slip resistant (T), extended open time, (E) deformable (S1) of class **C2TES1**. NOTE: ✓ = Suitable

SUITABLE BACKGROUND / BASES New substrates:	
Concrete Walls & Floors	✓
Cement Sand Screed	✓
Cement Sand render	✓
Fibre Cement Boards, type H plaster boards(Water resistant), Gypsum boards (rigidly fixed)	✓

Renovation works on existing:	
Unglazed tiles	✓
Hard natural stones	✓
Glazed tiles (Vitrified & Ceramic tiles)	✓
Mosaic tiles and In-situ mosaic flooring	✓

TECHNICAL PROPERTIES: (Typical Values)

Appearance / Colour	Grey colour Powder form	Compressive strength	
Mixed Density	1.80 – 2.0 gm/cc	1 day strength	8.0 N/mm ²
		7 day strength	17.8 N/mm ²
		28 day strength	24.3 N/mm ²
Bed Thickness	up to 6 mm to 12 mm	VOC Content	0.27 %
Walls	Use 6 mm X 6 mm square notch trowel	Flexural Adhesion Strength	
Floors	Use 12 mm X 12 mm square notch trowel	7 day	4.39 N/mm ²
		28 day	9.92 N/mm ²
Mixing Ratio	1 pbw Water : 4.0 pbw Adhesive (pbw = Parts by Weight)	Shear Adhesion Strength	
		Dry condition	1.73 N/mm ²
		Heat aging condition	4.0 N/mm ²
		Wet condition	1.13 N/mm ²
Coverage*	~ 30-35 Sq. ft using a 3mm x 3mm square notch trowel	Tensile adhesion strength	
Packing	20 kg	Dry condition	8.8 N/mm ²
Open Time	45 minutes	Deformability	2.5 mm
Pot Life	210 minutes	Test Environment : 27 °C, Humidity : 90%	
Final Setting Time	580 minutes	IS 15477:2019 Type 1 –EN-12004:2017 - C2TES1	
Adjustability	65 minutes		

HEAD OFFICE:

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HIGH POLYMER MODIFIED TILE / STONE ADHESIVE



FEATURES

- Ensures better coverage compared to standard adhesives.
- Extended open time.
- Deformable to accommodate minor shocks and movements expected in drywall substrates.
- Excellent bond to various building materials.
- Excellent water and frost resistance
- Excellent tensile & shear adhesion
- Easy mixing, smooth application & better workability

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

APPLICATION INSTRUCTIONS

Substrate Preparation

Before starting any work ensure that the base is:

- Sufficiently flat to permit the specified flatness of finished tiling, bearing in mind the permissible thickness of the adhesive.
- Suitable for tiling in the service conditions to which it will be exposed.
- Surfaces to be tiled must be dry, clean and free from loose material and contamination.

SITE WORK INSTRUCTIONS

SURFACE CONSIDERATIONS

- **New Cement Sand rendering / Brick / Block Wall**

Before commencing tiling, allow plastered surface to air dry for at least 2 weeks (3 weeks for swimming pools).

- **New Concrete Bases:**

Before commencing tiling, ensure that bases have been allowed to air dry for at least 6 weeks.

- **Existing Concrete / Screed Bases**

Cut out all loose or hollow portions and make good with a 1:3 cement : sand mortar applied over a slurry bonding coat* and let it cure and dry for 7 days.

- **Ceramic/Vitrified & Fully Vitrified Tile / Terrazzo / Hard Natural Stone Bases**

Check that existing finish is firmly adhering to the base. Remove any loose or hollow sounding tiles and reprofile with a 1 : 3 cement : sand mortar over a slurry bonding coat*. Any surface contamination should be removed with HEAVY

DUTY TILE CLEANER/TILE & STONE CLEANER.

- **Fibre Cement Boards / Tile Backer Boards**

Ensure that boards are dry, securely fixed, rigid and fixings do not protrude. Do not seal or prime surfaces that are to tiled. . The suitability of the boards as a background for ceramic tiling should be confirmed with the manufacturer.

- **Plaster Board:**

Ensure that boards are capable of carrying the expected load without deflection; dry securely fixed and rigid and that fixings do not protrude. Where necessary insert noggings to support all board edges and to allow screw fixing at 200 mm centres.

SEALERS

DFIX offers a range of Tile & Stone surface sealers depending on the desired finish:

Wet look finish: Use 'Heavy Duty Impregnating Tile & Stone Sealer', Glossy finish: Use 'Impregnating Tile & Stone Sealer', Natural look: Use 'FC SS' or 'FC Sealer'

MIXING

- Add D+GOLD 4000 to clean water. Pour one 20 kg bag in approx. 4.0 – 5.0 Ltr. of water (recommended proportion approx. 1 : 4 : water : Tile adhesive)
- Mix thoroughly with a suitable mechanical stirrer or slow speed drills until a lump - free homogeneous paste is obtained. Leave mixture for 5 minutes before use.
- The adhesive is immediately ready-for-use and has a pot life of 210 minutes. No further water should be added.
- Where mixing by weight is not possible, volume mixing can be carried out at site in the ratio of 1 : 4 (water : Tile Adhesive)

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APPLICATION

- Spread not more than the area which can be tiled within the open time of the adhesive.
- Comb the adhesive to the required depth using a suitable square notch trowel.
- Press the tiles firmly into position with a slight twisting action, checking periodically that good contact is maintained with the back of each tile. Leave no voids behind tiles.
- Tiles should be fixed within 20 minutes of adhesive being applied, depending on the porosity of the surface and atmospheric conditions. Tiles can be adjusted up to 45 - 65 minutes after fixing. Touch the adhesive ribs periodically and if a skin has formed, remove the adhesive and apply a new layer.
- Leave adequate joints between individual wall and floor tiles unless self spacing tiles are used.
- Clean off surplus adhesive from the tile face and between joints.

NOTES

- Always add powder to water. Do not use in damp conditions and temperature less than 5°C
- Do not add excess water than recommended. Never add sand & cement at site.
- Use suitable clamps along with adhesive at the time of installation of tiles/stones above 3meter height as recommended by IS 15477: 2019.
- For large span tiling works, leave movement joints at every 3meter interval and fill with a flexible sealant as per BS 5385.
- Prevent foot traffic till the adhesive has completely set.

GROUTING

- Grouting should be carried out after 7 days of Tiling. Use the appropriate grouting material from the Dfix range of Products: **Epoxy Tile Grouts and Cementitious Tile Grout : D+ Classic Epoxy Grout- 3 Part, D+ Epoxy Grout- 2 Part and D+ Cemento Polymer Grout.**

CLEANING

- Tools and containers may be cleaned using clean water when the adhesive is still fresh. The hardened adhesive can be removed from tools mechanically.

STORAGE AND SHELF LIFE

D+GOLD-4000 has a self-life of 09 months when stored in normal dry conditions.

PRECAUTIONS

- Keep out of reach of children. 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.
- For more details please refer the relevant Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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