

Technical Data Sheet

JB-GOLD-ADH

Premium Tile & Stone Adhesive

Description

Grey, polymer modified adhesive suitable for fixing porous clay and ceramic tiles of small format on walls and floors in interior dry situations on cement-based backgrounds.

STANDARDS

Conforms to EN 12004:2017 — Type C1T (normal setting cementitious adhesive with slip resistance).

FEATURES

- Polymer modified adhesive
- Easy mixing and application
- Improved working time
- Good bond to cement based backgrounds
- Enhanced flexibility and adhesion with a compatible acrylic latex bonding agent

SUITABLE SUBSTRATES

- Cement sand screed
- Cement plaster

COVERAGE ESTIMATES

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.

Square Notch Trowel	Coverage — 25 kg bag (@45°)
6 mm × 6 mm	84 - 89 sq.ft
8 mm × 8 mm	63 - 68 sq.ft
12 mm × 12 mm	43 - 45 sq.ft

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.

PHYSICAL PROPERTIES @ 27 ± 2°C

Bed Thickness	Up to 6 mm (up to 12 mm in limited areas)
Pot Life	1.5 hours
Setting Time	24 hours
Temperature Resistance	-30°C to 150°C
VOC Content	0.84 g/L

PERFORMANCE PROPERTIES — EN 12004:2017 @ 27 ± 2°C

Property	Min. Req.	Typical Result
Tensile Adhesion — Dry	≥ 0.50 N/mm ²	> 0.80 N/mm ²
Shear Adhesion — Dry	≥ 1.00 N/mm ²	> 1.10 N/mm ²
Open Time (10 min)	≥ 0.50 N/mm ²	Pass
Adjustment Time	5 minutes	5 minutes
Slip (T)	< 0.50 mm	0.40 mm

PACK SIZE

25 kg

Allow the following drying times:

- Cement-sand screed — 3 weeks
- Cement sand rendering — 2 weeks

Mixing

Add JengaBond® JB-ADH-GOLD to clean water. Mix thoroughly until a homogeneous lump-free consistency is obtained. Allow the mixed adhesive to mature for 2–5 minutes and mix again for 30 seconds. The adhesive is ready for use and has a pot life of 1.5 hours. No further water should be added. Where mixing by weight is not possible, Volume batching may be carried out on site in the ratio of 1:3 (water:powder).

Water Content:

25 kg Bag: 5.25 to 6.0 litres

In case of using latex additive:

25 kg Bag: 4.0 to 4.75 litres water + 1.25 litre latex additive

Application

1. Spread not more than the area which can be tiled within the open time of the adhesive.
2. The mixed adhesive is applied to the prepared surface with a trowel and then combed through with a suitably sized square-toothed notched trowel.
3. The tiles should be fixed within the open time of the adhesive and pressed into place with a twisting and sliding action ensuring solid bed fixing is achieved. The open time is dependent on site conditions and will be extended in lower temperatures and shortened at higher temperatures.
4. Check periodically that good contact is maintained with the back of each tile.
5. Touch the adhesive ribs periodically and if a skin has formed, remove the adhesive and apply a new layer.
6. Leave adequate joints between individual wall and floor tiles unless self-spacing tiles are used.
7. Clean off surplus adhesive from the tile face and between joints.

Note: Do not use in damp conditions and temperature less than 5°C. For large span tiling works, leave movement joints at every 3 m interval and fill with a flexible sealant as per BS 5385. Prevent foot traffic until the adhesive has completely set.

SPACERS

Use tile spacers (minimum 2 mm) for uniform joint width. Remove all spacers before grouting.

GROUTING

Grouting should be carried out after 24 hours. Use JengaBond® JB-S-GROUT for standard applications. JengaBond® JB-EP-GROUT3K is strongly recommended for locations with requirement of hygiene and chemical resistance.

PRECAUTIONS

Keep out of reach of children. Wear suitable protective clothing, gloves and eye/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with clean water and seek medical advice. Refer to current MSDS for full safety information.

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

JengaBond® JB-BS-ADH has a shelf life of 12 months when stored in normal dry conditions.

NOTE

The technical data contained in this datasheet are based on laboratory testing and site experience and are provided in good faith. BGSB Construction Products Ltd reserves the right to amend technical data without prior notice and accepts no liability for loss or damage arising from incorrect use, inadequate preparation, or failure to follow the instructions herein.