TECHNICAL DATA FOR BS TILEASY

Thinset Adhesive Mortar for fixing Tiles, Indoors, 3mm Onwards

Description of BS Tileasy

BS Tileasy is a quick-setting, polymer-modified cementitious tile mortar with high bond strength and flexibility, optimized for tropical conditions and structural movement. It excels in fixing ceramic, glazed, semi-vitrified tiles, terrazzo, and mosaics on plastered surfaces, AAC blocks, brickwork, precast walls, ply-board, and tile-on-tile applications (over terrazzo, vitrified, marble, or glazed tiles).

Advantages of BS Tileasy

1. Suitable for thin-set and thick-bed applications (3 mm to 8 mm bedding)
2. High-grade bonding for tiles up to 3 ft × 3 ft
3. Waterproof; ideal for showers, saunas, swimming pools, and wet areas
4. Anti-slip performance for vertical wall and façade applications
5. Strong vertical anchoring for tiles up to 38 kg per sqm

Recommended Application of BS Tileasy

BS Tileasy is a reliable adhesive for fixing small to large tiles, including low-porosity tiles, on difficult substrates and in wet applications.

Typical applications include:

- Tile-on-tile fixing
- Showers, bathrooms, and swimming pools
- Commercial food processing areas
- Podiums, pavements, and roofs
- Hospitals, laboratories, and hotels
- Granite fixing for flooring and limited wall use

Preparation of BS Tileasy mortar

Add 3.3 to 3.5 Litres of potable water to a 20Kg bag of BS Tileasy. Pour water first in a clean mixing container. Add BS Tileasy powder to the water, gradually stirring with a hand mixer until the mix is lump free & in a plastic state.

Application of BS Tileasy

Surface Preparation:

Ensure surfaces are stable, clean, and free of loose particles, paint, grease, or bond barriers (grind/chisel as needed). For rough plaster/brick/block walls, apply a leveling skim coat (cement-sand plaster + 4% BS Smartbond 100 by cement weight); cure 48 hours. Seal absorbent surfaces (e.g., AAC blocks) with 1-2 coats of BS Smartbond 100 (4-hour intervals, dry 8-12 hours). Cure new concrete screed fully.

Mixing:

Add 3.3-3.5 L clean water per 20 kg bag in a clean container. Gradually mix powder into water with a hand mixer until lump-free and plastic (do not reuse hardened mix).

Application:

- Tools: 6 mm notched trowel (3 mm bed); use tile-specific trowels.
- Apply a 6 mm layer on the substrate (plain trowel side), comb with notches while wet.
- Use within 20 min open time (test by touch; discard if dry—do not re-wet).
- For tiles >4 sq ft, back-butter tiles for 100% contact.
- Apply mortar perpendicular to tile grooves; press tiles firmly.
- Adjust within 20 min; clean excess with damp cloth. Maintain 2 mm joints (use spacers). Grout after 24 hours.

Tips:

- Modify with 2% BS Smartbond 100 (by volume) for non-absorbent surfaces (trial first).
- Provide movement joints per local standards/BS 5385.
- Apply at 5-40°C; cool water with ice in summer.
- Max thickness: <12 mm horizontal, <8 mm vertical.

Properties of BS Tileasy

Appearance	**Freely flowing grey powder with minute aggregates**
Water to Powder Ratio by wt.	0.180 – 0.220
Fresh wet density	1.70 Kg / Litre
Open Time as per EN 1346	> 0.5 N/mm2 (For 10 mins)
Tensile Adhesion at ambient temperature as per EN 1348	> 0.5 N/mm2
Slip Resistance as per EN 1308	≤ 0.5 mm
Tensile Adhesion under water as per EN 1348	> 0.5 N/mm2
Heat Ageing as per EN 1348	0.5 N/mm2
Allow Foot traffic & Grouting	After 24 Hours at 25°C
Chloride content	Less than 0.2%
* Note: Above properties are checked at water to powder ratio of 0.210.	

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Notched Trowel for BS Tileasy Application.

Use the Notch sized to control adhesive application as needed.

Apply Adhesive using Plain Side of Trowel

Application of BS Tileasy on Wall over smooth levelled / plastered surface.

Consumption Table of BS Tileasy

Required Notch Size*	Area Covered by Mortar
6mm for 3mm bedding	About 2.8 kg/m2
8mm for 4mm bedding	About 3.5 kg/m2
10mm for 5mm bedding	About 4.1 kg/m2

*Consumption rates may vary due to variance in surface roughness, the surface profile behind the tile, if the tiles are back buttered & skill of the applicator.

Packaging

BS Tileasy is available in **20 Kg** moisture-resistant, lined sack packaging.

Safety and Handling

Wear **protective gloves, safety goggles,** and use **barrier cream** to prevent skin contact. Ensure **adequate ventilation** during application. For detailed safety guidance, please refer to the **Material Safety Data Sheet (MSDS).**

Storage and Shelf Life

Store in a **cool, well-ventilated area,** away from direct sunlight. **Shelf life:** 12 months from the date of manufacture when stored as recommended.

Disclaimer

The information in this sheet is provided for general guidance and is based on current knowledge and experience. Due to the variety of possible application methods and site conditions, no responsibility is assumed for results obtained under specific circumstances.

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