

Product Data Sheet

CasTech Tile GP

Nov-2025, Ver. 01.01



General Purpose Tile Adhesive

DESCRIPTION

CasTech Tile GP provides excellent workability, making it ideal for both new installations and repair projects. Its smooth consistency upon mixing allows effortless spreading and easy alignment of tiles, reducing application time and ensuring a neat, professional finish. It adheres effectively to a variety of substrates, including cement screeds, plasters, concrete blocks and lightweight AAC, for both large-scale commercial projects and residential renovations.

The adhesive is formulated to withstand environmental stresses, helping to prevent tile displacement or cracking under heavy foot traffic or fluctuating temperatures. Its durability and moisture resistance make it suitable for high-moisture areas such as bathrooms and kitchens, as well as semi-exposed outdoor areas.

TYPICAL USES

- Ceramic, glazed, terracotta and porcelain tiles; ideal for indoor areas
- Walls and floors
- Periodically wet areas and utility rooms
- Thin bed mortar applications
- Fixing stone claddings for exterior and interior use

ADVANTAGES

Key advantages:

- Easy workability
- Good open time and slip resistance
- High adhesive bond strength
- Ready to use by simply adding water
- Improved water-resistant properties
- Free from asbestos, chromated copper arsenate and lead

STANDARDS

CasTech Tile GP complies with BS 5980 Type 1 Class A.

COMPATIBILITY

CasTech Tile GP is compatible with a variety of substrates, including cement backer board and concrete. It is designed for small to medium-sized tiles, including ceramics.

TYPICAL PROPERTIES

Typical properties at $23 \pm 2^{\circ}\text{C}$, humidity $50 \pm 5\%$:

Appearance	Powder
Colour	White / Grey
Mixing Ratio	4.5 L per 25 kg
Wet Density	1.7 kg/L
Approximate Coverage	5 m ² per 25 kg @ 3 mm thickness
Working Time	Approximately 45 minutes
Initial Tensile Adhesion Strength (BS EN 1348)	> 0.5 N/mm ²

SURFACE PREPARATION

Ensure the surface is solid, clean and stable, free from oil, grease, paint, mould release agents or curing compounds. Dampen the surface a few hours before applying the adhesive for optimal results.

MIXING

Mix each 25 kg bag of **CasTech Tile GP** with 4 – 5 litres of clean water until a smooth, lump-free consistency is achieved. Allow the mixture to rest for 10 minutes, then stir again before application. A low-speed electric drill with a paddle attachment is recommended.

APPLICATION

Spread the adhesive evenly on the surface to a thickness of 3 – 4 mm, then comb it horizontally. Press each tile firmly into the adhesive bed with a slight twisting motion to ensure good contact. Apply the adhesive to no more than one square metre at a time to avoid premature drying.

Joint spacing: leave a minimum spacing of 2 mm around each ceramic tile for improved flexibility and stability.

Finishing: wipe away excess adhesive with a damp cloth before it sets. Grouting can be carried out after 24 hours.

CURING

24 hours with clean water.

PACKAGING

25 kg kraft bags.

STORAGE AND SHELF LIFE

12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

PRECAUTIONS

When using **CasTech Tile GP**, wear protective gear, work in

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ventilated areas and avoid prolonged skin contact.

HEALTH AND SAFETY

PPE: Suitable protective goggles, gloves and mask must be worn.

Precautions: In case of contact with eyes, rinse immediately with plenty of water; in case of contact with skin, wash off immediately with soap and water. If swallowed, seek medical attention immediately.

Hazard: Regarded as non-hazardous for transportation.

Disposal: Do not reuse containers. Dispose of as per local rules and regulations.

Additional information: Refer to MSDS (available on request).

TECHNICAL SUPPORT

CasTech provides on-site assistance and consulting services on projects when requested. Technical data sheets on other CasTech products and guidance on their use are available on request.

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