

TILE ADHESIVE — C2TE ACCORDING TO BS EN 12004

Fly Ultra

High-performance, polymer-modified adhesive for ceramic, porcelain, natural stone tiles, and marble

DESCRIPTION

Fly Ultra is a high-performance, cement-based tile adhesive enhanced with polymers, offering no vertical slip and an extended open time. It provides high initial and final adhesion strength, together with excellent moisture resistance.

KEY ADVANTAGES

- Multi-purpose — suitable for all types of tile
- Specially designed for large marble tiles
- Water resistance
- Suitable for internal and external use
- Self-curing
- Requires only additional water on site
- Suitable for horizontal and vertical applications

FIELDS OF APPLICATION

Fly Ultra is suitable for fixing both absorbent and non-absorbent wall or floor tiles on a variety of substrates, particularly where high adhesion and moisture resistance are required. Suitable for indoor and outdoor use.

TECHNICAL DATA

Property	Typical Value
Base	Cementitious mortar
Colour	White and grey
Mixing water demand	7.25 – 7.75 L per 25 kg bag
Application thickness	Up to 10 mm
Open time	≥ 30 minutes
Tensile adhesion strength – initial	> 1.0 N/mm ²
Tensile adhesion strength – after water immersion	> 1.0 N/mm ²
Tensile adhesion strength – after heat ageing	> 1.0 N/mm ²
Tensile adhesion strength – after freeze-thaw cycles	> 1.0 N/mm ²
Slip	≤ 0.5 mm

Standards: Certified as C2TE according to BS EN 12004.

DIRECTIONS FOR USE





- 1. Substrate:** The surface to be overlaid must be clean and free of dust, grease, paint, and loose materials. Dampening of the substrate before application is recommended.
- 2. Application:** Gradually add Fly Ultra to water under continuous stirring until a uniform paste forms. Use a low-speed mixer, then let the mixture stand for about 5 minutes before stirring again. Apply the adhesive uniformly ("combed") over the entire surface using a notched trowel and press the tiles firmly into position. Cover the applied adhesive with tiles within 30 minutes to avoid skin formation, i.e., before the adhesive film starts to set.

ELASTIFICATION

When tiling on unstable substrates — such as gypsum boards, chipboards, heated floors, flat roofs, terraces, or balconies — where high flexibility or adhesion is required to accommodate movement from vibration or thermal expansion and contraction, add up to 3.75 kg of Fly SBR Bond per 25 kg of Fly Ultra, plus water as needed for the desired workability.

CONSUMPTION	PACKAGING	SHELF LIFE
1.5 – 4.0 kg/m ²	25 kg paper bags	12 months

REMARKS & SAFETY

Due to its cement content, Fly Ultra reacts with moisture, forming alkaline solutions; it is therefore classified as an irritant.

- Very porous surfaces, such as aerated concrete, gypsum boards, or chipboards, must be primed first.
- Please consult the directions for safe use and precautions printed on the packaging before use.

