

TILE ADHESIVE — C2TES1 ACCORDING TO BS EN 12004

Fly Kola

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

Deformable (S1) with extended open time — the recommended choice for outdoor façades, terraces, and balconies where thermal movement must be accommodated.

DESCRIPTION

Fly Kola is a high-performance, cement-based tile adhesive enhanced with polymers, offering no vertical slip and an extended open time. Its deformable (S1) formulation absorbs stresses from thermal movement and vibration, with high adhesion strength and excellent moisture resistance.

KEY ADVANTAGES

- Deformable (S1) — accommodates thermal movement and vibration
- Suitable for ceramic, porcelain, natural stone, and marble tiles
- Extended open time for working on large areas
- High water and moisture resistance
- Recommended for outdoor applications
- Requires only additional water on site
- No vertical slip — suitable for horizontal and vertical applications

FIELDS OF APPLICATION

Fly Kola is suitable for fixing both absorbent and non-absorbent wall or floor tiles on a variety of substrates, particularly outdoors and wherever the substrate is subject to thermal movement or vibration — façades, terraces, balconies, and heated floors. Suitable for indoor and outdoor use.

TECHNICAL DATA

Property	Typical Value
Base	Cementitious mortar, polymer-modified
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



Property	Typical Value
Tensile adhesion strength – after freeze-thaw cycles	> 1.0 N/mm ²
Slip	≤ 0.5 mm
Transverse deformation (S1)	≥ 2.5 mm and < 5 mm

Standards: Certified as C2TES1 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. Highly absorbent substrates may require dampening before application. Avoid standing water on the substrate.
- 2. Application:** Gradually add Fly Kola 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

Where an even higher degree of flexibility is required — for example over heated floors, flat roofs, or large uninterrupted external areas — add up to 3.75 kg of Fly SBR Bond per 25 kg of Fly Kola, plus water as needed for the desired workability.

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

Due to its cement content, Fly Kola 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.
- Do not apply at substrate or ambient temperatures below 5°C or above 35°C.
- Please consult the directions for safe use and precautions printed on the packaging before use.

