

MAXICOL FLEX

VISANCOL



Characteristics

The cementitious adhesive VISANCOL MAXICOL FLEX is formulated according to the UNE EN 12004 standard as a C2 type adhesive for both exterior and interior applications, providing proper workability and excellent grip. This makes it an exceptional product for use in facades, high-traffic surfaces, and radiant heated floors. It is suitable for various formats of ceramic tiles.

It is formulated with cement, selected aggregates, various organic additives, and copolymers, which provide adhesion, reduced slippage, and high flexibility.

Applications

The cementitious adhesive is suitable for both interior and exterior applications, including facades and tiling of large areas with heavy traffic and radiant heated floors. It adheres to all types of ceramic tiles, regardless of their absorption characteristics or format. It can be applied to various substrates, including new flooring over existing ones. For formats larger than 40 x 40 cm, the double bonding technique should be employed.

It ensures no sagging during application and provides excellent

Storage

The product should be kept in its original packaging and in a dry place to ensure it can be stored for at least twelve months.

PHYSICAL AND CHEMICAL PROPERTIES

Classification according to UNE EN 12004	C2 TE S1
Appearance	White or Gray Powder
Mixing water	29 ± 1 % (7 a 7,5 L/sack)
Apparent density in powder	1,5 g/cm ³
Apparent density in paste	1,7 g/cm ³
Initial adhesion (UNE-EN 1348 8.2)	≥ 1,0 N/mm ²
Adhesion after immersion in water (UNE-EN 1348 8.3)	≥ 1,0 N/mm ²
Adhesion after heat aging (UNE-EN 1348 8.4)	≥ 1,0 N/mm ²
Adhesion after freeze-thaw cycles (UNE-EN 1348 8.5)	≥ 1,0 N/mm ²
Transverse deformation determination (UNE-EN 12002)	≥ 2,5 mm y < 5 mm
Slip resistance (UNE-EN 1308)	≤ 0,5 mm
Adjustment time for pieces	30 min.
Working time	180 min.

Instructions for use

Mix with clean water, either manually or mechanically, until obtaining a homogeneous mass, free of lumps, with approximately 29% water content (approximately 7.25 liters per sack).

Let it rest for 5 minutes, then remix.

Spread the paste on the substrate in small sections (between 1-2 m²) and comb it with a notched trowel (suitable for the tile format) to achieve an even thickness. Use the double bonding technique for large format tiles.

Press the ceramic materials onto the substrate until the grooves are flattened, ensuring that the tile adhesive is still plastic and has not formed a surface film that prevents

Compliance Standards

Respect the water-to-mix ratio.

Do not apply in extreme temperatures, below 5°C or above 30°C.

During installation, it is essential to fully embed the ceramic pieces and avoid any gaps between the piece and the substrate.

For pieces larger than 30 x 30 cm or heavier pieces, perform double bonding, which involves applying a thin layer of MAXICOL on the back of the tile (maximum weight 40 kg/m² and maximum size 40 x 60 x 1.5 cm). For larger or heavier pieces, mechanical anchors are necessary.

Maintain minimum joint widths between ceramic pieces, at least 1.5 mm for wall tiles and 5 mm for floor tiles and outdoor installations. Install expansion joints every 30 m² (for small format tiles) or 60 m² (for large format tiles) maximum, including perimeter joints, while respecting the structural joints of the building.

Presentation

It is packaged in double-layered paper bags with a plastic sheet. The product is presented on shrink-wrapped pallets containing 56 bags (1400 kg) of 25 kg each.

