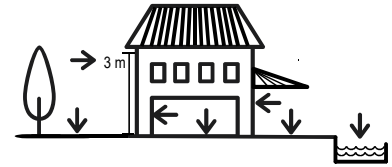


# VMAX S1

# Gel Technology

**VISANCOL**



## Characteristics

The cementitious adhesive VISANCOL VMAX S1 is formulated according to the UNE EN 12004 standard as a C2 type adhesive for exteriors. The product's technology provides a gel effect, with high creaminess and mousse-like texture, enhancing its performance and generating less dust during application. This makes it a very good product for facade installation, various surfaces, and also recommended for radiant floor heating systems. It can be applied to all types of ceramic tile formats. VISANCOL VMAX S1 is formulated with cement, selected aggregates, various organic additives, and diverse copolymers, providing it with adhesion, flexibility, and reduced slip properties.

## Applications

Both indoors and outdoors. Facades and paving of large areas with heavy traffic and radiant floor heating systems. Adhesion of all types of ceramic pieces, of any format, whether absorbent or non-absorbent. For application on all types of substrates and new pavement over old. For formats larger than 30 x 30 cm, the double bonding technique should be used. No sagging, with excellent initial adhesion. Suitable for overlapping in indoor pavements.

## Storage

The product must be kept in its original containers and in a dry place, allowing it to be stored for at least twelve months.

## Instructions for use

Knead with clean water, either manually or mechanically, until obtaining a homogeneous mass, free of lumps, with 26% water content (approximately 6.5 liters per bag).

Let it rest for 5 minutes and knead again.

Spread the paste onto the substrate in small sections (between 1-2 m<sup>2</sup>) and comb it with a notched trowel (appropriate to the tile format) to regulate the thickness.

Place the ceramic materials by pressing them onto the substrate until the grooves are flattened, ensuring that the thin-set mortar is still plastic and has not formed a surface film that prevents adhesion.

## Compliance standards

Respect mixing water.

Operating temperature from +5°C to +30°C.

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

For pieces with a format (>30x30 cm) or high weight, perform double bonding. Apply a thin layer of VMAX S1 on the back (maximum weight 40 kg/m<sup>2</sup> and maximum format 40x60x1.5 cm). For pieces with a larger format or weight, mechanical anchors are necessary.

Create grout joints between ceramic pieces, minimum 1.5 mm for wall tiling and 5 mm for floors and exteriors, placing expansion joints every 30 m<sup>2</sup> (small format pieces) or 60 m<sup>2</sup> (large format pieces) maximum, placing perimeter joints, and respecting the structural joints of the building.

## PHYSICAL AND CHEMICAL PROPERTIES

Classification according to UNE EN 12004	C2TE S1
Appearance	White Pow der
Mixing w ater	32 ± 1 % (7,5 - 7,7 litros/saco)
Apparent density in pow der	1,5 g/cm <sup>3</sup>
Apparent density ini paste	1,7 g/cm <sup>3</sup>
Initial adhesion (UNE-EN 1348 8.2)	≥ 1,0 N/mm <sup>2</sup>
Adhesion after immersion in w ater (UNE-EN 1348 8.3)	≥ 1,0 N/mm <sup>2</sup>
Adhesion after heat aging (UNE-EN 1348 8.4)	≥ 1,0 N/mm <sup>2</sup>
Adhesion after freeze-thaw cycles (UNE-EN 1348 8.5)	≥ 1,0 N/mm <sup>2</sup>
Determination of transverse deformation (UNE-EN 12002)	≥ 2,5 mm y < 5 mm
Slip resistance (UNE-EN 1308)	≤ 0.5 mm
Extended open time (UNE-EN 1346)	30 min
Adjustment time for pieces (according to environmental conditions)	15 min
Working time (according to environmental conditions)	20 min

## 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.

