



VICOLITH® ACRYLIC SPECIAL

Cementitious high demand tile adhesive

Properties

VICOLITH ACRYLIC **SPECIAL** is a cement-based tile adhesive. It is suitable for indoors and outdoors because it has the required adhesive strength under normal conditions, moist environment conditions, high temperatures and after freeze-thaw cycles.

Presents the additional feature of high adhesion which classify it, according to EN 12004, as adhesive type **C2**.

Applications

VICOLITH ACRYLIC **SPECIAL** is being used for fixing ceramic tiles with low water absorption (type granite) on surfaces of floors, cement based walls in indoors and outdoors.

Due to the high mechanical strengths it is ideal for application to floors with high humidity and traffic.

Technical characteristics

Form: ready mixed dry mortar based on cement

Coloring: white grey

Mixing water: 7,00 l/bag 25 kg (28%) 6,75 l/bag 25 kg (27%)

Maturing time: 5-10 minutes

Pot life: two hours in the bucket Open time: at least after 20 minutes

adhesive strength ≥ 0,5 N/mm² (EN 1346)

Application temperature: $+5^{\circ}$ C to $+35^{\circ}$ C Fixing on walls: after 3-8 hours Foot traffic: after 24 hours



Adhesive strength (adhesion)

- after maintenance in dry (Reg. Conditions 23/50) ≥ 1,50 N / mm² (EN 1348,8.2)
- after maintenance in water

• after maintenance in hot

≥ 1,00 N / mm² (EN 1348,8.3) ≥ 1,00 N / mm² (EN 1348,8.4)

• after freeze- thaw cycles

 \geq 1,00 N / mm² (EN 1348,8.5)

How to use

1. Preparation

The surface to be coated must be resistant, without cracks, clean and generally should not interfere with the adhesion. Dust, oils and loose crusts should be removed and the cracks must be puttied. Absorbent substrates must be wetted or better primed with acrylic primer VIM-PRIMER.

2. Application

- 1. Mix VICOLITH ACRYLIC SPECIAL with clean water in a clean container, using a low speed mixer (<600 rotations/ min). After the mixture is homogenized, we leave it to mature for 5-10 minutes and then stir again.
- 2. Laminating and comb the adhesive with a notched trowel.
- 3. Spread as much VICOLITH ACRYLIC SPECIAL to the surface as we can cover with tiles within 20 minutes (open time). Otherwise the surface setting, which will start, will reduce adhesion.
- 4. Any expansion joints should **not** be covered with tiles.

Consumption

on a smooth substrate	•	
Spatula [mm x mm]	[kg/m ²]	tile adhesive thickness [mm]
4 x 4	1,8	1,5
6 x 6	2,5	2,1
8 x 8	3,2	2,7
10 x 10	4,0	3,3



Elastification

In case the substrate on which tiles are placed, can take deformations of expansion and contraction or vibration, such as underfloor heating or flexible gypsumboards, tile adhesive must be elastified. By adding 10 kg elastifier **VIMAFLEX** in a 25 kg bag of **VICOLITH** ACRYLIC **SPECIAL** all the mixing water is replaced and it can be fully flexible. If this is not necessary, adding **VIMAFLEX** can be reduced to 5 kg per 25 kg bag, along with a corresponding addition of water to achieve the desired workability.

Packaging

VICOLITH ACRYLIC **SPECIAL** is available in 25 kg bags.

Storage

At least 12 months in sealed packaging, in places protected from moisture.



VIMATEC - N. VIDALIS S.A. CONSTRUCTION CHEMICALS TECHNOLOGIES

Head: 1-3, Makedonias str, GR-546 41 Thessaloniki GREECE Tel: +30-2310 858561, +30-2310 843093 Fax: +30-2310843566 e-mail:info@vimatec.gr