



VICOLITH UNIVERSAL

Cementitious tile adhesive

Properties

VICOLITH UNIVERSAL is a cement-based tile adhesive, ideal for professional use, designed for indoor applications. It has a large adhesive strength in normal conditions and in a damp environment.

According to EN 12004 is classified as an adhesive type C1, suitable for indoor use.

Applications

VICOLITH UNIVERSAL is used for fixing ceramic tiles on floors and walls of plaster, cement, brick or concrete indoors.

Technical characteristics¹

Form:	ready mixed dry mortar based on cement
Mixing water :	7,25 l / bag 25 kg (29%)
Maturing time :	5-10 minutes
Pot life:	two hours in the bucket
Open time:	at least after 20 minutes
	adhesive strength $\geq 0,5 \text{ N/mm}^2$ (EN 1346)
Application temperature:	+5°C to +35 °C
Fixing on walls :	after 5-8 hours
Foot traffic :	after 24 hours

Adhesive strength (adhesion)

- after maintenance in dry (Reg. Conditions 23/50) $\geq 1,00 \text{ N / mm}^2$ (EN 1348,8.2)
- after maintenance in water $\geq 0,60 \text{ N / mm}^2$ (EN 1348,8.3)
- after maintenance in hot NPD* (EN 1348, 8.4)
- after freeze thaw cycles NPD* (EN 1348, 8.5)

*NPD = No Performance Determined

¹ Control Certificate from recognized by the European Committee Laboratory LGA Bautechnik GmbH Germany (0780)

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 should be puttied. Absorbent substrates must be wetted or better primed with acrylic primer **VIM-PRIMER**.

2. Application

1. Mix **VICOLITH UNIVERSAL** 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 UNIVERSAL** 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 UNIVERSAL** 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.



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Packaging

VICOLITH ACRYLIC FLEX is available in 25 kg bags.

Storage

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



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CONSTRUCTION CHEMICALS TECHNOLOGIES

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