



CONSTRUCTION CHEMICALS TECHNOLOGIES

## VIMAPLAN

### Polymer modified cement putty

#### Properties

**VIMAPLAN** is a pre-mixed, fine-grained cement mortar, improved with polymers. It is produced based on grey or white cement.

By adding and mixing water, a cohesive mass is created, suitable for low-thickness coating with a spatula.

The hardened mortar has a strong adhesion to cementitious substrates and excellent resistance to weathering.

It is classified as PCC R2 concrete repair mortar according to EN 1504-3.

#### Applications

**VIMAPLAN** is characterized as the make-up of concrete. Offered for:

- Filling of imperfections of the surface of the (mainly fair faced) concrete, such as bubbles of trapped air in the formwork, nests due to insufficient vibration, cracks etc.
- Fine smoothing - repair coating, on a cementitious substrate, local or all over the surface, i.e., puttying of a maximum thickness of 5 mm. For higher thickness apply **VIMACRET** resin cement mortar.

#### Technical characteristics

Water addition	25% by weight ~ 6,2 kg / 25 kg VIMAPLAN
Bulk density of fresh mortar	1,78 kg/ m <sup>3</sup>
Bulk density of dry mortar	1,59 kg/ m <sup>3</sup>
Compressive strength	4 MPa
Flexural strength	>18 MPa
Water absorption	0,02 kg m <sup>-2</sup> h <sup>-0,5</sup>

## VIMAPLAN

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### How to use

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#### 1. Preparation of the substrate

The substrate must be solid, free of dust, loose materials, loose parts. Before applying **VIMAPLAN**, the surface must be well wetted.

To improve adhesion to smooth or porous surfaces, a priming with **VIRESIN**, diluted 1: 3 with water, may be used.

#### 2. Mixing - Application

**VIMAPLAN** is added to the water progressively and mixed until the mixture is homogeneous and has the desirable workability for its intended use. It is advisable, after a curing time of 5-10 minutes, to stir again.

For each **VIMAPLAN** 25 kg bag, about 6 ÷ 6,25 kg of water is required. Pot life of the fresh mortar is about 2 hours.

The minimum ambient temperature when applying **VIMAPLAN** must be +5 °C.

Once the hardening begins, it is not allowed to add water again to soften the mortar.

**Caution !** Under high temperature conditions, fresh mortar must be wetted for at least 24 hours to protect against rapid dehydration.

Tools should be cleaned with water immediately after use, before the mixture is dried.

### Consumption

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Approximately 1,3-1,4 kg/m<sup>2</sup> for 1 mm layer thickness.

### Storage

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Product should be stored in a dry environment and in sealed bags for at least 12 months.

### Protection

The product contains cement and is considered as irritant due to alkaline reaction with water.