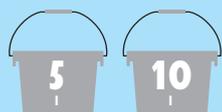


NOVALIT PLAN

Polysilicate paint for cracked surfaces



Main advantages:

- Effective filling of scratches and cracks;
- Low-alkaline product (pH 8÷9.5);
- Mineral character of coating;
- Micro-porous structure ensuring high vapour permeability;
- Low surface absorbability;
- Possible use on mineral bases as well as bases coated with a polymer-based coating.

Purpose:

Mineral paint produced based on the newest low-alkaline polysilicate technology. It serves for the application of a prime coat under **NOVALIT F** > (pg. 30) surface paint on difficult (non-uniform or cracked) surfaces of the exteriors of buildings. For use on mineral bases (such as concrete, calciferous, cement-calciferous, and cement renders) and on bases covered with a well-bound coating or render based on polymers. Creates a permanent, mineral coating on the base, filling in micro-cracks and evening out irregularities of the surface. Thanks to the inclusion of special fibres, it effectively fills in scratches and cracks in the surface of a width of up to 0.3 mm. Before the application of paint, mineral bases require priming through the use of the **NOVALIT GF** > (pg. 41) primer.

Note: Product for unitary application, produced on order.

Technical data:

Basic binding agent: specially modified potassium sodium silicate;

Pigments: non-organic coloured pigments resistant to UV radiation and atmospheric conditions;

Consistency: thixotropic;

Colours: natural white or colours from the KABE template as well as selected colours from the NSC template or according to a supplied template (possible to obtain using non-organic pigments);

Degree of lustre: matte;

Average consumption: about 0.25 l/m²;

Temperature of use (of the air and base): from +5°C to +25°C

Relative air humidity: ≤75%;

Relative diffusive resistance of a coat with thickness of 150 µm: Sd=0.04 m (standard requirement Sd ≤2.0 m);

Coefficient of surface absorbability: w = 0.05 kg/m²h0,5 (standard requirement w ≤ 0.5 kg/m²h0,5).

Packaging: Single use plastic packaging containing 5 and 10 l of the product.

Storage: Store in the tightly sealed, original packaging in a cool area ensuring protection against frost. Opened packaging should be tightly closed and consumed as quickly as possible.

Period of suitability for use: 12 months from the date of production on the product packaging for factory sealed packaging.

METHOD OF USE:

Preparation of the base:

The base must be clean, degreased, dry, and bearing, as well as free from stains and efflorescence of biological or chemical origin. In the case of algae and/or fungus growth, the base should be cleaned mechanically, then washed with pressurised water and safeguarded by the appropriate algae- and fungicide according to the manufacturer's guidelines. All loose layers not connected with the surface (loose render or flaking paint coatings) are to be removed. Old mineral bases should be cleaned using a dispersed stream of water. When surface unevenness is significant, the wall should be initially evened using an evening mortar and then evened and smoothed using a putty mortar. For small unevenness, putty mortar may be used without the former. The use of the above mortars should be in accordance with the instructions of these products. Absorbent surfaces are to be primed with the appropriate preparations before applications of putty and/or evening mortars. In the case of the application of paint onto newly applied mineral bases (such as concrete, cement, calciferous, and cement-calciferous render), a seasoning period of a minimum of two weeks should be observed.

Priming:

Before applying paint, mineral bases are to be primed using the **NOVALIT GF** > (pg. 41) primer. The drying period of the primer applied to the surface is about 12 hours under optimal weather conditions (for a temperature of +20°C and a relative air humidity of 55%). After the preparation applied to the surface has dried, the paint may be applied.

Note: Surfaces with low absorbability (such as polymer-based render or dispersive paint coatings) should not be primed, but only washed with water.

Preparation of the paint:

The packaging contains a ready-to-use product – do not dilute.

Application:

Apply the paint to the surface using a brush or paint roller until the planned coating thickness is achieved. The use of a special paint roller for facade paints made from woven polyamide with a hair length of at least 18 mm is recommended.

Drying:

The time of binding (hardening) of one layer of paint applied to the surface (at a temperature of +20°C and relative air humidity of 55%) amounts to about 24-48 hours.

Note: Low temperature and high air humidity lengthen the drying time of the paint. The newly applied paint coating should be protected against atmospheric precipitation and condensation of humidity until it is completely dry.

Additional guidelines:

In order to avoid differences in colour, it is necessary to apply surfaces constituting a separate architectural entirety within one work cycle. During the application and binding of the paint, the weather should be free of rain with an air temperature from +5°C to +25°C. Wash tools with water just after concluding work. Work on surfaces directly exposed to sunlight, strong wind, and high air humidity should be avoided. For the purpose of protecting the not fully bound paint coat against the harmful effects of atmospheric conditions, the use of the appropriate protective meshes on the scaffolding is recommended.