

ANTI-CRACKING SYSTEMS FOR RENOVATION OF BUILDING FAÇADES

NOVALIT RSA

Renovation polysilicate
anti-cracking system

MAIN ADVANTAGES

- Comprehensive system for renovation of cracked walls and façades
- Very good vapour permeability
- Mineral nature
- Low surface absorption
- Wide selection of available textures
- Wide range of colours
- Easy method of renovation

AREAS OF APPLICATION

The **NOVALIT RSA** system is a complex set of products for renovation of cracked external walls of buildings. It contains materials based on specially modified potassium water glass produced in accordance with innovative, low-alkaline polysilicate technology. It can be applied in residential buildings (single- and multi-family), public utility and industrial premises as well as for the renovation of historic buildings. It provides an efficient joining of cracks and scratches, protects against their further development and allows for aesthetic and decorative finishing of façades. It creates a system of layers, permanently connected with the substrate, with high vapour permeability and low surface water absorption, which protects the building against the impact of adverse atmospheric conditions (such as precipitation, frost, temperature deviations, sunlight and wind). It can be applied on all common mineral substrates (such as concrete, lime render, cement-lime render, cement render, sandstone and on raw walls made of bricks, blocks, hollow bricks and other ceramic or silicate materials).

Depending on the nature and width of scratches, the system is available in 3 options, which allows for easy selection of the right solution for the specific object.

- **Option 1** **hairline and net cracks (crack width up to 0.3 mm);**
- **Option 2** **shrinking and joint cracks (crack width from 0.3 to 5 mm);**
- **Option 3** **dynamic cracks (crack width over 5 mm);**

Note: The system is intended for single use on the construction object. Renovation anti-cracking systems do not eliminate the reasons for cracks and scratches and only improve the façade aesthetics and protect against their harmful impact on the building.

TECHNICAL DATA

Base binder: specially modified potassium water glass;

Pigments: inorganic coloured pigments, resistant to weather conditions;

Relative diffusion resistance: $S_d = 0.08$ m (standard requirement: $S_d \leq 2.0$ m);

Surface absorption coefficient: $w = 0.21$ kg/m² · h^{0.5} (standard requirement: $w \leq 0.5$ kg/m² · h^{0.5}).

Colours: natural white and colours from Farby KABE colour chart and selected colours from the NCS colour chart or according to provided sample (possible to obtain using inorganic pigments);

Textures: solid, scraped/mixed;

Grain size: 1.5 mm; 2.0 mm; 2.5 mm; 3.0 mm;

Temperature of application (air and substrate): from +5°C to +25°C;

Relative air humidity: $\leq 75\%$.