

ANTI-CRACKING SYSTEMS FOR RENOVATION OF BUILDING FAÇADES

ARMASIL RSA

Renovation silicone anti-cracking system

MAIN ADVANTAGES

- Comprehensive system for renovation of cracked walls and façades
- Very good vapour permeability
- Very low surface absorption
- High resistance to soiling
- Good adhesion to both mineral and plastic-based coatings
- Wide range of colours
- Easy method of renovation

AREAS OF APPLICATION

The ARMASIL RSA system is a complex set of products for renovation of cracked external walls of buildings. It contains materials based on high-quality silicone resins, manufactured using proven Swiss technology. The system can be applied in residential buildings (single- and multi-family), public utility and industrial buildings, 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 flexible system of layers with high water vapour permeability and low surface water absorption. It protects from the impact of adverse atmospheric conditions (such as rainfalls, frost, temperature deviations, sun and wind) and ensures high resistance to soiling. 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), as well as on surfaces covered with a plastic-based render/plaster. 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**
- **Option 2**
- **Option 3**

hairline and net cracks (crack width up to 0.3 mm);
shrinking and joint cracks (crack width from 0.3 to 5 mm);
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: silicone binder;

Pigments: inorganic coloured pigments, resistant to weather conditions;

Relative diffusion resistance: $S_d = 0.18$ m (standard requirement: $S_d \leq 2.0$ m);

Surface absorption coefficient: $w = 0.18$ 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;

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: ≤ 75%.