SPEKTRON GTS is a single-component compound based on an aqueous dispersion of modified acrylic polymers, designed for waterproofing joints formed between the elements of various external structures. After the mortar is hardened, the coating has great waterproofing properties, and is also highly elastic even at low temperatures.

The compound is used for waterproofing horizontal and vertical surfaces of underground and above-ground parts of buildings and structures that are highly susceptible to cracking and exposed to yielding and vibrations, prefabricated structures subjected to thermal and mechanical deformations, cement and concrete buildings and structures exposed to dynamic loads and high hydraulic pressure. It is also used for chemical protection of concrete (reinforced concrete) and steel structures from the impact of groundwater, waste water, sea water, oil products and highly aggressive media, as well as from carbonization and de-icing salts; for waterproofing flat and inclined concrete roofs of buildings and structures. The compound is used at hydraulic structures (tanks, including firewater tanks, pools, sluices, channels, etc.), civil engineering facilities (residential buildings, cultural and arts facilities, underground structures: basements, parking lots), industrial construction facilities, industrial premises, cooling towers, mines, thermal power plants, and transport construction facilities.

Excellent adhesion to most building materials (concrete, cement, ceramics, aluminum, steel, glass, wood, etc.) without the need to use a primer;
Good resistance to UV radiation;
Good water resistance, resistance to alkali and acid solutions, conventional solvents;
Vibration resistance;
Maintains elasticity over a wide temperature range;
Suitable for use in cold climates;
Can be painted over with waterborne paints;
Repairable;
Environmentally friendly and safe to use, does not contain isocyanates, silicones and solvents;
Does not form air bubbles during the hardening; practically does not shrink;
Does not cause corrosion of the surface it is applied to;
Does not flow in vertical seams.

The surface of building structures should be cleaned of easily removable impurities (dirt, paint, organic matter, cement slurry, etc.). It is recommended to use a sandblasting or hydroblasting machine, metal brushes and electric tools. The cracks and cavities should be sealed with cement mortar, then thoroughly dried and primed.

The mastic compound is ready to use (do not dilute with water).

Stir the mastic compound before use, apply on a dry, clean surface with a brush, roller or by airless spraying at an ambient and substrate temperature of not lower than +10°C. The mastic compound should be applied in 2 layers, the thickness of each wet layer being not more than 1 mm, with intermediate drying for at least 24 hours. The total consumption of the mastic compound is 1.5-2.0 l/m². When working with a brush, the mastic should be applied in a criss-cross manner. Dry the surfaces treated with the mastic compound for at least 48 hours before subsequent tiling or performing other works.

The drying time is not less than 48 hours at an ambient temperature of 20-24°C and a relative humidity of 65%. Drying times may vary under other ambient conditions.
APPLICATION CONDITIONS
The works should be carried out when the ambient temperature and the temperature of the surface to be treated is from 5°C to 35°C.

THEORETICAL CONSUMPTION
1.5 kg/m² for a 1 mm layer thickness.

SHELF LIFE
The guaranteed shelf life of the compound in a sealed package is not more than 12 months from the date of manufacture.

SAFETY MEASURES
When performing the works, use personal protective equipment to protect eyes, skin and respiratory organs. In case of contact with skin or mucous membrane of the eye, rinse with plenty of water. Consult a doctor if necessary.

PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE SYSTEM

<table>
<thead>
<tr>
<th>Parameter name</th>
<th>Unit of measure</th>
<th>Parameter value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Mastic compound</td>
<td></td>
</tr>
<tr>
<td>Frost resistance grade, not lower than</td>
<td>F, cycle</td>
<td>F 300</td>
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<tr>
<td>Adhesion strength of the material to the substrate after not less than 28 days of curing</td>
<td>MPa</td>
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<tr>
<td>Water resistance rating</td>
<td>W</td>
<td>W 6</td>
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<tr>
<td>Elongation of the hardened mastic</td>
<td>%</td>
<td>60</td>
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