

S-600

Water-swellable mastic

Water swellable one component mastic to seal and waterproof cracks, construction joints and pipes drawn into concrete. S-600 expands its volume when in contact with water, sealing joints and irregularities of the surface and assuring a perfect bonding. The product is durable.

BENEFITS

- Easy and quick to apply;
- Perfect bonding, also with pressurized water;
- It can be applied to complex structure and irregular surfaces;
- Good adhesion onto many different building materials (concrete, steel, PVC, plastic, metal, ...);
- Salt resistant;
- It can be applied onto damp surfaces;
- Ageing resistant

APPLICATION FIELDS

Waterproofing of:

- concrete cast joints;
- junctions between new and old structures;
- junctions between different materials;
- junctions between well and pipelines;
- joints between precast concrete segments for lining tunnels.

S-600 can be used to seal:

- metal or plastic pipes when drawn into concrete;
- iron bars to avoid water penetration inside buildings.

COVERAGE

From 2 to 6 meter with one tube of 300 ml.

COLOUR

Red.

PACKAGING

Cartridges 300 ml.

Each package contains 12 cartridges.

STORAGE

The product must be stored in well ventilated areas, away from sun light and ice, at temperature between +5°C and +35 °C. Storage time: 12 months. Once open, use the cartridge as soon as possible.

PREPARATION OF SUPPORT

- The surface must be perfectly solid, dry and resistant.
- The surface can be dry or damp.
- The surface must be perfectly clean, well consolidated and sound, without debris, detaching parts or honeycombs, without dust, oils or greases. Brush the surface to eliminate dust and residues.
- Ideal application temperature is above 20°C. At lower temperature there is the risk of a higher viscosity.

APPLICATION

1. Insert the tube into the gun. Cut the spout according to the desired section.
2. Apply the product according to the application (joints, cast joints, junction...), taking care there is no air inside the extrusion gun.
3. It is recommended to cover the product after its application.

DRYING TIME

At 23°C and 50% relative humidity, the product is superficially dry after 4 hours and completely cured after 5 days for a thickness of 10 mm.

- Drying time is influenced by relative humidity level and by temperature and may change significantly.

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Technical Data

Features		Unit
Coverage	1 tube covers from 2 to 6 m	m
Aspect	mastic	-
Colour	red	-
Drying time (T=23°C; R.H. 50%)	4	hours
Polymerisation speed (T=23°C; R.H. 50%)	1 day for 1,5 mm thick 5 days for 10,0 mm thick	days
Application temperature	>20°C	°C
Storage	12 months in original containers and dry place	months
Packaging	300 ml cartridge	ml

Final performances		Unit	Regulation	Result
Density at 20°C	1,35	kg/l	-	-
Hardness after curing	45	shore	-	-
Swelling capacity	>25% (after 1 day) >100% (after 7 days)	-	DIN 52455	-
Traction resistance	3,5	MPa	-	-
Salt water resi stance (7 days at 20°C)	-	-	-	excellent

*The above data, even if carried out according to regulated tests are indicative and they may be change when specific site condition vary.

SUGGESTIONS

- Do not apply below +1°C and above +40°C.
- During summer time, apply in the cooler hours of the day away from sunlight.
- Do not apply with imminent threat of rainwater or ice, with strong fog or with relative humidity above 70%.
- Swelling properties in salty water will be reduced and delayed.

CLEANING

Wash tools with water before product hardens.

SAFETY

For the handling, wear protection equipment and see material safety data sheet.

Waterproofing - Sealant

