

TECHNICAL SHEET

ELASTIBIT S

Bituminous compound for pouring cracks in road constructions

Product description ELASTIBIT S is a bituminous compound for pouring cracks in road constructions according to the hot method, made from modified bitumen.

Characteristics of the product ELASTIBIT S is a bitumen compound modified with elastomer additives. The compound is heated before use by indirect heating in special cauldrons up to a temperature of maximum 180°C, so that it melts and becomes ready for use. Product meets the demands of the standard EN 14188-1.

Characteristic	Method EN	Unit	Value
Softening point	1427	°C	≥ 85
Density at 25°C	13880-1	g/cm ³	0,95 – 1,05
Cone penetration 25°C	13880-2	1/10 mm	40 - 100
Penetration and recovery (resilience) at 25°C	13880-3	%	≤ 60
Heat stability, change in penetration value at 70°C/168h; cone penetration recovery (resilience)	13880-4	1/10 mm %	40 - 100 ≤ 60
Flow resistance, initial and heat degradation at 60°C, 5 h, angle 75°	13880-5	mm	≤ 3
Bonding strength Total extension within 5h Test temperature Maximal tension Adhesion: - totally separated block faces - depth of separation, Cohesion: -totally separated block faces -depth of separation,	13880-13	mm °C N/mm ² mm ² mm mm ² mm	≥ 5 -20°C ≥ 0,80 0 0 0 0
Cohesion: Extension Extension Number of cycles Test temperature Maximum tension Adhesion: -totally separated block faces -depth of separation, Cohesion: -totally separated block faces -depth of separation,	13880-10	mm % °C N/mm ² mm ² mm mm ² mm	18 - 3 0 0,05 0 0 0 0

Use and installation

ELASTIBIT S is used for pouring cracks using hot process on asphalt and concrete substrates. It is applying hot by pouring into the cracks. The work is carried out in dry weather and at outside temperatures above +5°C. Before hot pouring, it is necessary to properly clean the cracks of dust and unbound particles by blowing with compressed air or sweeping with a broom. Then the cracks are coated with "primer". The coating is applied for approx. 1 cm from the crack wall on each side. Coating consumption is approx. 150 ml per m² of crack surface. The coating must be dry before the hot filling of the crack with bituminous mass, which under normal conditions is within an hour.

The product is heated in special cauldrons with a mixer and indirect heating to a temperature of 180°C until a homogeneous liquid mixture. Heating to a higher temperature is not recommended because the polymer additives degrade. Hot filling of cracks is done mechanically with an attachment connected to the pipes to the heating boiler or manually with metal watering cans. After watering, the surface is sprinkled with fine quartz sand for better frictional adhesion. When the filling is cooled to ambient temperature, it is functionally adequate.

Storage

ELASTIBIT S is packed in paper barrels. The packaging is equipped with labels showing the name of the product, manufacturing shift and date. They are put on a wooden pallet in such a way that transport with a forklift is possible. Store in covered, dry rooms.

Disposal considerations of waste



For the removal of waste of product, it is necessary to follow the valid local environmental regulations.

Waste classification: 17 03 02 bituminous mixtures other than those mentioned in 17 03 01, (15 01 01) paper packaging.

The product is in conformity with **EN 14188:2004 type N2**.

The system of quality and handling of the environment is conforming with SIST EN ISO 9001 and 14001.