



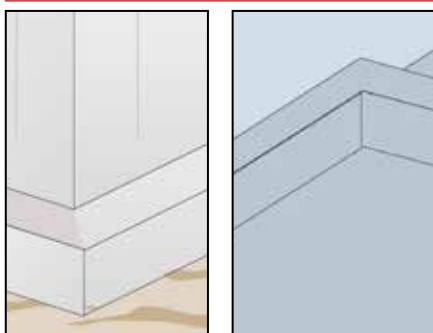
# ELASTOBIT S

SOLVENT-BASED ELASTOMERIC BITUMEN WATERPROOF COATING FOR CONCRETE FOUNDATIONS AND ROOFS

CHARACTERISTICS			ENVIRONMENTAL	METHOD OF USE					PRECAUTIONS
ONE-COMPONENT	SOLVENT BASED	WATERPROOF		MIX MECHANICALLY	SPRAY APPLICATION	APPLY BY BRUSH	APPLY BY ROLLER	APPLY BY FLOAT TROWEL	

## PROBLEM

### REPAIRING AND WATERPROOFING CONCRETE SURFACES



The concrete structures of terraces and foundations without joints or built on filling material are more prone to continuous settling which causes cracks to form in the surfaces along the lines of maximum stress. It is therefore necessary to use elastomeric bituminous waterproofing products to protect the work from water ingress when the use of polymer-bitumen membranes is impossible.

## SOLUTION

**ELASTOBIT S** is a ready-to-use product manufactured from bitumens, solvents, elastomeric resins and additives. When the product dries it forms a strong and elastic waterproof film. **ELASTOBIT S** is also available in an **ANTI-ROOT** version for waterproofing concrete flowbeds.

## APPLICATION FIELDS

**ELASTOBIT S** is a bituminous product, which thanks to its excellent waterproofing properties, is indicated for use as a liquid elastic coating in repair work. Above all **ELASTOBIT S** is used for waterproofing and repairing concrete foundations and terraces which are subject to thermal expansion.

## ADVANTAGES

- Contrary to bituminous emulsions, the products dry quickly.
- High resistance to water ponding.
- Can be used also during the winter months.
- High elasticity and adhesion of the dry film on concrete.
- It can also be applied by spray.



## METHOD OF USE

### • SURFACE PREPARATION

Before application it is absolutely necessary to remove all of the dirt, powder, grease, oil and moss from the surfaces to be treated, which may impede the perfect adhesion of the liquid bituminous waterproofing products to the support. In these cases we recommend brushing. In some special cases, it may be necessary to use high pressure water cleaners or dry sand

blasting. In the case of particularly powdery surfaces it is absolutely necessary to apply a coat of the elastomeric bituminous primer INDEVER primer before proceeding with the application of the elastic bituminous paint.

### • APPLICATION

It can be applied by brush, roller or spatula (2) after mixing the product in the can with a mechanical mixer (1). To obtain a waterproofing sheath, it is recommended to apply at least two or three coats of product. The second coat must always be applied on the film of the perfectly dry first coat.

Never exceed a dry film thickness of 0.3 mm for each coat

(about 0.500 kg/m<sup>2</sup> per coat) so as not to hinder the evaporation of the solvent contained in the liquid bitumen product, which would otherwise remain stuck under the dried film.

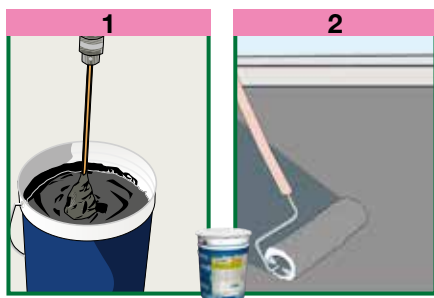
Temperatures of over 35°C jeopardise the workability of the product since the film dries too quickly on the surface.

If the applied product remains exposed, the dried film should be protected with reflective paint (WHITE REFLEX or SOLARIS) or coloured decorative water-based paints (INDECOLOR) (3). For spray applications dilute **ELASTOBIT S** with synthetic thinner or with INDEVER primer.

### • COVERAGE

The consumption of **ELASTOBIT S** is approximately 400-500 g/ m<sup>2</sup> per coat, two coats recommended.

(See following)



# TECHNICAL CHARACTERISTICS

		<b>ELASTOBIT S</b>
Appearance		Pasty liquid
Colour		Black
Density	<b>EN 2811-1</b>	1.05 ± 0.10 kg/L
Dry residue - at 130°C	<b>UNI EN ISO 3251</b>	62 ± 4%
Viscosity Brookfield	<b>UNI EN ISO 2431</b>	16.500 ± 3.000 cps
Flash point (closed cup)	<b>ASTM D 3828-87</b>	> +23°C
Shelf life in original packaging (dry stored)		12 months
<b>Characteristics and workability</b>		
Spessore applicazione		0.6 mm (two coats)
Tempo di attesa - dust-free drying (*)		approx 30 ÷ 60 minutes
Waiting time - touch dry (*)		approx 100 ÷ 140 minutes
Waiting time - for applying each coat over the previous one (*)		approx 12 hours
Waiting time - for total dry (*)		approx 1 ÷ 2 days
Application temperature		+5°C ÷ +35°C
Application		manual or spray
<b>Performance characteristics</b>		<b>Product performance</b>
<b>Class and type</b>	<b>EN 1504-2</b>	<b>C PI-MC-IR</b>
Cold flexibility	<b>UNI 1109</b>	-15°C
<b>Permeability to aqueous vapour</b>	<b>EN 7783</b>	5 m ≤Sd <50 m - class II
<b>Adherence test</b>	<b>EN 1542</b>	≥1.0 MPa
<b>Capillary water absorption</b>	<b>EN 1062-3</b>	w < 0.1 kg/m <sup>2</sup> ·h <sup>0.5</sup>
<b>Permeability to CO<sub>2</sub></b>	<b>EN 1062-6</b>	Sd >50 m
Ultimate elongation	<b>NFT 46002</b>	900 ÷ 1300%
Ultimate tensile strength	<b>NFT 46002</b>	0.1 ÷ 0.5 MPa
Thermal resistance - Operating temperature		-30°C ÷ +90°C
<b>Hazardous substances</b>	<b>EN 1504-2</b>	According note in ZA.1

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.

(\*) The times indicated will be longer or shorter as the temperature drops or rises.

Pursuant to European standard **EN 1504-9** - General principles for the use of products and systems.

(See previous)

## • PRECAUTIONS

- Do not use inside houses or in non-ventilated environments.
- Do not apply on wet or damp surfaces
- Do not mix with cement or water
- Apply the second coat of ELASTOBIT S when the first one is completely dry.
- Do not use to waterproof tanks, cellars or channels subject to strong water backflow or pressurised water.
- Do not use to waterproof surfaces or containers where edible liquids and drinking water are kept or that may come into contact with solvents or mineral oils.
- The ELASTOBIT S painted film applied on terraces cannot be walked over; this is only possible for occasional maintenance.
- Freshly applied coating must be protected during the first 2-3 hours from driving rain

- We recommend painting the bitumen spread only a few months after laying. This waiting time shall be sufficient to eliminate the surfacing hydrocarbons contained in ELASTOBIT S
- After use clean tools using diesel or other common thinners (synthetic, white spirit or nitro thinner). It is recommended to immerse the tools in the thinner also during use, to prevent any product residue drying and making the tools unusable.
- Store in original packaging at temperatures of above +5°C away from sources of heat and naked flames. Close the containers again after use.

## PACKAGING

### ELASTOBIT S

- 20-kg Pail
- 10-kg Pail
- 5-kg Pail

### ELASTOBIT S ANTI-ROOT

- 20-kg Pail

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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