

# ELASTOKOTE

## SINGLE COMPONENT, ELASTOMERIC RESIN MODIFIED, BITUMEN-RUBBER BASED ELASTIC WATERPROOFING MATERIAL

### DEFINITION

ELASTOKOTE is a single component, elastomeric resin modified, fast curing, high elastic, bitumen-rubber emulsion based waterproofing material. After the evaporation of the water in it, it adheres strongly to the surface it is applied to, forming an elastic layer that is resistant to water and moisture.

### USING AREAS

On all horizontal and vertical surfaces,  
In positive (external) insulation of foundations, underground constructions, cellars and basements,  
In waterproofing under the coating of the terraces visited,  
In waterproofing of terraces that cannot be visited,  
On bridges and viaducts,  
It is used in the insulation of leakage water in closed wet areas such as bathrooms, kitchens and toilets.  
On cracked surfaces or in insulation applications that need to withstand higher pressure water, reinforcement mesh, polyester felt, isolation cloth, etc. used with the equipment.  
It is used in all kinds of engineering structures.  
The alum material obtained by mixing Elastokote with sieved fine sand and cement is applied with a trowel to smooth out and level the surface, or to provide a protective coat over insulation.  
As a water based material, it can be safely used indoors.

### TECHNICAL PROPERTIES

Poz. No.	19.082/1
BASE	Bitumen-Polymer (Acrylic) Resin
THINNER	Water
COLOUR	The color of Petroleum before use, Black after use
CONSISTENCY	Viscous Liquid
DENSITY	1,03 kg/dm <sup>3</sup>
VISCOSITY	6400 cP
pH	10 – 10,5
APPLICATION TEMPERATURE	Between (+5°C) / (+35°C)
SERVICE TEMPERATURE	Between (-25°C) / (+80°C)
BITUMEN RATIO	58% (±2)
RUBBER RATIO	13% (±0.5)
CURING TIME	Touching :1 hour Full Drying :5-6 hours Test :8 days
CARBONDIOXIDE PERMEABILITY	418,24 m
WATER VAPOUR PERMEABILITY	14,293 m
WATER PERMEABILITY	0,025 kg/m <sup>2</sup> .h <sup>0,5</sup>
BOND STRENGTH	0,6 N/mm <sup>2</sup>
CRACK BRIDGING	PASSES TS EN 15812 CB2
ELASTICITY	350% (±1%)

(At 23°C and %50 relative humidity. Higher temperatures decrease; lower temperatures increase the times given.)

EMÜLZER ASFALTEVİ TECRİT MADDELERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ

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**ADVANTAGES**

It is extremely easy to apply.  
It creates a seamless and uninterrupted insulation layer.  
It is environmentally friendly because it is water-based.  
Since it does not contain flammable and toxic substances, it can be used safely in closed places.  
It has permanent elasticity.  
It is ready to use.  
Cold applied. It does not require heating and thinning.  
It has the capacity to close capillary cracks.  
Since it contains water in its mixture, it is highly tolerant of damp surfaces. Allows application on non-wet damp surfaces (max. 15% surface moisture tolerance)  
It can be applied with a trowel, brush or airless pump. Provides easy application up to 20 m<sup>2</sup>/hour with a trowel.  
It's resistance to chemicals and salt solution in the soil is excellent.

**SURFACE PREPARATION**

The application surface should be cleaned of dust, dirt, rust and oil and loose parts should be scraped out. In order to ensure good adhesion, a coat of Emilkote® or İZOLA should be applied to concrete surfaces before application, and EMÜLZER® C or EMÜLZER CSP to metal surfaces. The pointed ends should be rounded, and areas suitable for cracking such as horizontal/vertical joints should be angled with EMÜLZER® BITUMINOUS FILLET. Large pores and cracks should be filled with EMÜLDERZ JOINT FILLER. If the reinforced concrete surface is not smooth, sand blasting or grinding is recommended. Thanks to sandblasting, loose parts on the concrete surface are thrown away and the bird eyes are exposed.

**APPLICATION**

Since it is a ready-made material, no thinner should be used.  
After mixing, it is applied with a trowel, bitumen brush or by spraying.  
It dries in about 5-6 hours depending on weather conditions.  
It should not be applied in rainy weather or at temperatures below +5°C.  
Before one layer is completely dry, the other layer should not be applied.  
Special graded, dry silica sand (EMULZER 30/35 SAND) can be sprinkled in order to roughen the surface in the final coat application of fresh Elastokote. By sprinkling sand on the Elastokote, the adherence of the following application is increased.  
After sprinkling with sand, asphalt paver can be placed on it and asphaltting can be done.

**CLEANING OF THE TOOLS**

The cleaning of the tools is accomplished with soapy water just after the usage but with industrial type of solvents after curing.

**CONSUMPTION**

For Each Layer 1,00 kg/m<sup>2</sup> at least two layers.

**PACKAGING**

Net 23 kg Liquid in metal pail.

**SHELF LIFE - STORAGE**

At least 12 months in original and unopened package.  
Prevent from freeze.

**PRECAUTIONS**

ELASTOKOTE should be prevented from freezing while in package.  
Keep out of reach of children.  
The eyes and the skin should be protected while working with all kinds of chemicals.  
Wear suitable protective clothing and eye/face protection.  
Because this bulleting has been prepared considering the general conditions only, for the details except for the ones written above, please request additional written information otherwise no responsibility will be assumed due to the faults arising because of the insufficient data.  
This technical bulletin invalidates the previous ones regarding this product.

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