

ELASTORENE

BITUMEN-RUBBER BASED, SINGLE COMPONENT ELASTOMERIC LIQUID MEMBRANE

DEFINITION

Elastorene is a bitumen-rubber based, ready-to-use, single-component liquid membrane with elastomeric additives, used for insulating water and damp. By the evaporation of the water it contains, it adheres firmly to the surface it is applied, forming a highly elastic waterproof layer

USING AREAS

It is used for waterproofing of;

- Building foundations,
- Basement floors and walls,
- Retaining walls,
- Tunnels and channels,
- Closed roofs and verandas.

TECHNICAL PROPERTIES

BASE	Elastomeric polymer resin reinforced bitumen emulsion
THINNER	Water
COLOUR	The color of Petroleum to brown before use, Black after drying
CONSISTENCY	Viscous Liquid (thixotropic) in packaging, fluid liquid when it is mixed
DENSITY	1,02 kg/dm ³
APPLICATION TEMPERATURE	Between (+5°C) / (+40°C)
SERVICE TEMPERATURE	Between (-10°C) / (+60°C)
SOLID CONTENT	60%
DRY FILM THICKNESS	2,5 – 4 mm
FLASH POINT	Not flammable
CURING TIME	Touching :1 hour Full Drying :5-6 hours Test :5 days
CARBONDIOXIDE PERMEABILITY	>50 m (TS EN 1062-6)
WATER VAPOUR PERMEABILITY	5m<S _D <50m (Class II) (TS EN ISO 7783-2:2002)
WATER PERMEABILITY	<0,1 kg/m ² .h ^{0,5} (TS EN 1062-3)
RESISTANCE TO WATER PRESSURE	>1 atm, 24 hours (DIN 52123)
ELONGATION AT BREAK	>1200%
FLEXIBILITY AND CRACK BRIDGE AT LOW TEMPERATURE	PASSED (TS EN 15812)
RESISTANCE TO SOIL BACTERIAL (30 DAYS, 40°C)	PASSED (ASTM D 3080)
BOND STRENGTH	>0,8 N/mm ² (TS EN 1542:2001)

(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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TS EN 1504-2



BS EN ISO 9001:2008



ADVANTAGES

It can be easily applied by anyone.
It provides a seamless insulation layer.
As a water-based material it is environment friendly.
Due to its inflammable and non-toxic characteristics it can be safely used in closed spaces.
It provides permanent elasticity.
It is ready to use.
As a cold applied material, it does not require heating or thinning.
It can cover capillary cracks.
Immediately applicable, there is no need to wait for the curing of the concrete

SURFACE PREPARATION

The application surface should be without dust, rust, dirt, grease and oil and the loose parts should be scrapped out. The sharp corners or horizontal-vertical cants subject to cracking should be rounded. The horizontal and vertical joints should be angled with EMÜLZER BITUMINOUS FILLET
Emilkote® bitumen emulsion on concrete surfaces and Emülzer® C on metal surfaces can be used as primer.

APPLICATION

The surface must be primed.
As a cold applied, prepared material, Elastorene should not be used with thinner.
It can be applied with a bitumen brush, airless pump or trowel.
Depending on weather conditions, it dries in approximately 5-6 hours.
It should not be applied in rainy weather, and at temperatures below +5°C.
Next layer should not be applied before preceding one completely dries.

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

4,0-6,5 kg/m²

PACKAGING

23 kg Liquid in metal pail.

SHELF LIFE AND STORAGE

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

PRECAUTIONS

ELASTORENE should be prevented from freezing while in package.
Keep out of reach of children. (S 2)
The eyes and the skin should be protected while working with all kinds of chemicals. (S 24/25)
Wear suitable protective clothing and eye/face protection. (S 36/39)
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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