

# SE-UV

## SUPER ELASTIC WATERPROOFING MEMBRANE



### DESCRIPTION

- Elastomeric resin based, UV resistant, single component and super elastic waterproofing material.

### INTENDED USES

- On vertical and horizontal applications of interior and exterior surfaces,
- Around the chimney and parapet edges,
- In places and gutters created for water accumulation,
- Used as a super elastic waterproofing material in sloping terraces and roofs.
- Suitable for areas that need UV resistance and sunlight reflection.

### PROPERTIES

- Resistant to temperature fluctuations and has water vapour permeability.
- Provides fast and easy application with its semi-fluid ready-to-use consistency.
- Can be used on cement-based surfaces such as plasters, screeds, exposed concrete and on metal surfaces such as iron, steel, zinc, galvanized sheet and aluminium.
- Has improved UV resistance and reflection of sunlight.
- Resistant to freeze-thaw cycle.
- Has high adhesion strength.

### SURFACE TREATMENT

- The surface must be clean, smooth and solid, free from all kinds of material waste and worn surfaces preventing adhesion.
- Cracked and hollow areas on the surface must be repaired with **REPAIR SW waterproof structural repair mortar** at least 24 hours before **SE-UV** application.
- CHAMFER TAPE** should be applied to corners, edges and joints.
- SE-UV** should be used after the 28-day curing period for reinforced concrete surfaces is completed.
- For priming;
- Cement based surfaces should be primed with **SE-UV** product diluted by adding 20% water or **UA-34 General purpose primer**.
- Old bituminous surfaces should be primed with **SE-UV** product diluted by adding 20% water.

### TECHNICAL DATA

Colour	White, red, green
Application temperature	(+10°C) - (+30°C)
Temperature resistance	(-30°C) - (+80°C)
Application thickness	1.0-1.5 mm (for one layer)
Time required to become waterproof	7 days
Drying time	48 hours
Time required in-between layers	6 hours
Time to gain mechanical strength	7 days
Density	1.50±0.04 g/ml
Elasticity	350%
pH	8±1
Capillary water absorption and water vapour permeability	< 0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>
Adhesion strength through pull-off test	2.5 N/mm <sup>2</sup>

- These values are obtained under laboratory conditions [(23±2) °C temperature, 50% relative humidity] and may differ due to worksite conditions.
- MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED SİRKETİ is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

### APPLICATION

- After the primer coat has dried, **SE-UV** should be applied to the entire surface in at least 2 layers, without diluting, by roller, brush or spraying method.
- Thin cracks, joints, corners and edges should be supported with polyester felt after the first coat application.
- Application of polyester felt on terrace roofs should be applied to the entire surface after the first coat application.
- After the first layer dries, the second layer should be applied perpendicular to the first one

### WARNINGS AND RECOMMENDATIONS

- The applied surface must be lime-free.
- SE-UV** should be used with complementary products in order to achieve the desired performance.
- Primer must be used before application. The primer provides water permeability and high adhesion strength between the product and the surface. The amount of **SE-UV** consumption will be reduced with the use of primer.
- After application, applications tools should be thoroughly washed with water before they dry.
- Cannot be applied against negative water pressure and on surfaces that will be continuously submerged.
- Absolutely foreign materials should not be added. It should not be applied on surfaces that are frozen or melting or have the risk of frost within 24 hours.
- Contact with skin must be avoided and gloves must be used during application.
- Avoid application in very humid or very hot weather.
- Not applicable on constantly wet and humid surfaces.

# SE-UV

## SUPER ELASTIC WATERPROOFING MEMBRANE



### PACKAGING

- 5 kg & 20 kg Plastic bucket

### SHELF LIFE


- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture. Protect from frost.

### CONSUMPTION

- 1.5-2.0 kg/m<sup>2</sup> (for 1 mm thickness)

### QUALITY CERTIFICATES

- Adhesion strength through pull-off test-TSE Test report-TS EN 1542

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YILDIZ YAPI KİMYASALLARI SAN. ve TİC. LTD. ŞTİ. İstanbul Mermerçiler Küçük San. Sit. 18. Cad. No: 22 Köşeler Köyü - Dilovası / KOCAELİ	
18 DoP number: 03.PB 1504-2.013	
2163-CPR-0560-4 TS EN 1504-2 <b>SE-UV / SUPER ELASTIC WATERPROOFING MEMBRANE</b> Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and conformity assessment - Part 2: Surface protection systems for concrete Principle 2: Moisture control, Method 2.2 Coating application Principle 8: Increasing resistivity by limiting the moisture content, Method 8.2 Coating application	
Water vapour permeability	: Class I; SD< 5 m
Capillary water absorption and water permeability	: < 0.1 kg/m <sup>2</sup> .h <sup>0.5</sup>
Adhesion strength through pull-off test	: Without a traffic load; ≥0.8 N/mm <sup>2</sup>
Fire reaction class	: D-s1,d0
Hazardous substance	: Uyğundur.