

MAXCIS 351-UV

One Component, Hybrid Polymer Based Waterproofing Membrane

DEFINITION:

- It is a UV resistant waterproofing material.
- It has permanent high elasticity.
- Can be applied on slightly damp surface.
- It is environmentally friendly; It does not contain bitumen, isocyanates and solvents.
- It has superior crack bridging properties.
- It adheres very well to the surface on which it is applied.

USAGE AREAS:

- Roofs, balconies and terraces
- Roof water channels, chimney bottoms, rain gutters
- Bathroom, WC, kitchen (under ceramics)
- Applied polyurea repairs

COMPONENT FEATURES:

Test Name	Unit	Value
Chemical Structure	-	Hybrid (MS Polymer)
Color	-	White, gray
Density (20°C)	g/cm ³	1,45 ± 0,03



APPLICATION CONDITIONS:

- The surface must be solid and of sufficient strength.
- You should wait at least 28 days before applying on new concrete.
- The surface temperature must be at least 3 °C higher than the dew point.
- Recommended air and application surface temperature is between 5°C and 35°C.
- Relative humidity should be lower than 85% during application.
- Application should not be made in windy weather.

SURFACE PREPARATION:

- The application surface must be clean and dry. There should be no rust, dust, oil and water.
- Weak layer and mortar residues on the concrete surface should be cleaned by surface grinding method.
- Concrete repairs should be made with suitable epoxy or cement based materials.
- Dilatation and chamfers must be prepared with suitable materials.

- Priming is done with an epoxy or polyurethane based primer suitable for the structure of the surface.

APPLICATION:

- The product is mixed with a low speed mixer until a homogeneous mixture is obtained.
- The prepared mixture is applied to the surface in one or two layers with a suitable spraying machine or brush-roller.

REACTION PARAMETERS:

Test Name	Unit	Value
Waiting Time Between Layers	hour	8-12
Full Drying Time	hour	24-36

APPLIED PRODUCT FEATURES:

Test Name	Unit	Standard	Value
Tensile strength	Mpa	ASTM D 638	>1,0
Elongation	%	ASTM D 638	>450
Hardness (Shore A)	-	ASTM D 2240	40-45

CONSUMPTION:

- For 1 mm dry film thickness, it is 1.40 – 1.50 kg/m².

PACKAGING:

- 14 kg/plastic bucket

SHELF LIFE AND STORAGE:

The MAXCIS 351-UV is sensitive to humidity and temperature. Therefore, they should be stored in original, unopened and undamaged packages, in dry environments away from direct sunlight.

	Unit	Value
Shelf Life	month	12
Storage Temperature	°C	15-25

WARNING:

- Before using the product, read the MSDS form carefully and follow the written instructions.
- Personal protective equipment should be used during application.
- There must be sufficient air circulation in the application area.
- Give empty packages to organizations authorized to collect hazardous waste.