

# MAXCIS 371-UV

## One Component, Polyurethane Based, UV Resistant Waterproofing Membrane

### DEFINITION:

- It is containing solvent, UV resistant, elastic waterproofing material.
- It can be applied by spraying machine or brush-roller.

### USAGE AREAS:

- Balconies and terraces
- Applications on ceramics
- Under-concrete waterproofing of terrace and balcony
- Under-ceramic waterproofing of kitchen, bathroom, toilet
- Green roof, under landscaping and in pots
- On thermal insulation materials
- Foundations



### FEATURES OF COMPONENT:

Test Name	Unit	Value
Chemical Structure	-	Poliurethane with solvent
Density (23°C)	g/cm <sup>3</sup>	1,35 ± 0,03
Viscosity (23°C)	-	5000-8000
Solid Content	%	84 (by weight)

### REACTION PARAMETERS:

Test Name	Unit	Value
Tack Free Time	hour	~ 3
Waiting Time Between Layers	hour	12-18

\* The tests were carried out under laboratory conditions at 20°C. Values may vary under different temperature and humidity conditions.

### APPLICATION CONDITIONS:

For primer and membrane application;

- 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 product is applied to the surface with a suitable spraying machine or brush-roller.
- The application is applied in 3 layers, one layer every day.
- The color of the applied product changes under direct sunlight. Aliphatic topcoat should be applied to prevent color change.

**FINISHED PRODUCT FEATURES:**

Test Name	Unit	Standard	Value
<b>Tensile Strength</b>	Mpa	ASTM D 638	≥ 3
<b>Elongation</b>	%	ASTM D 638	≥ 450
<b>Hardness (Shore A)</b>	-	ASTM D 2240	55-65
<b>Abrasion Resistance</b>	mg	EN ISO 5470-1	< 450 (H22, 1000 cycle)
<b>Adhesion Strength</b>	N/mm <sup>2</sup>	EN 1542	2

**CONSUMPTION:**

- Consumption for 3 layers of application is 1.80-2.00 kg/m<sup>2</sup>.

**PACKAGING:**

- 20 kg/metal bucket

**SHELF LIFE AND STORAGE:**

The MAXCIS 371-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
<b>Shelf Life</b>	month	9
<b>Storage Temperature</b>	°C	15-25

**WARNING:**

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