

# MAXCIS 371-C

## One Component, Polyurethane Based, Aliphatic, Transparent, Topcoat Waterproofing Membrane

### DEFINITION:

- It is a solvent-containing, elastic, topcoat waterproofing and coating material.
- It is specially formulated for surfaces exposed to direct sunlight and requiring a transparent appearance.
- It can be applied by spraying machine or brush-roller.

### USAGE AREAS:

- Insulation and coating of decorative and valuable ceramic and marble surfaces
- On epoxy, polyurea and polyurethane coatings



### FEATURES OF COMPONENT:

Test Name	Unit	Value
Chemical Structure	-	Poliurethane with solvent
Density (23°C)	g/cm <sup>3</sup>	1,00 ± 0,05
Viscosity (23°C)	-	1300
Solid Content	%	75 (by weight)

### REACTION PARAMETERS:

Test Name	Unit	Value
Tack Free Time	hour	6-8
Waiting Time Between Layers	hour	16-24

\* 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.
- Generally, a single layer application is made.

**FINISHED PRODUCT FEATURES:**

Test Name	Unit	Standard	Value
<b>Tensile Strength</b>	Mpa	ASTM D 638	$\geq 10$
<b>Elongation</b>	%	ASTM D 638	$\geq 200$
<b>Hardness (Shore A)</b>	-	ASTM D 2240	90

**CONSUMPTION:**

- Consumption for 1 coat application is 0.30-0.50 kg/m<sup>2</sup>.

**PACKAGING:**

- 5 kg or 15 kg/metal bucket

**SHELF LIFE AND STORAGE:**

The MAXCIS 371-C 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 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.