

# MAXCIS 362-CP

## ***Polyurea Based, Cold Applied, Waterproofing and Coating Material***

### **DEFINITION:**

- It is a polyurea system that can be applied by brush-roll or spraying machines.
- Provides high mechanical and chemical resistance on the applied surface.
- It has permanent high elasticity.
- 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 ceramic)
- Applied polyurea repairs

### **COMPONENTS:**

- A Components: Amine Blend
- B Components: Hardener

### **FEATURES OF COMPONENTS:**

Test Name	Unit	A Component	B Component
Chemical Structure	-	Amine Blend	Hardener
Density of Mixture (25°C)	g/cm <sup>3</sup>		1,02 ± 0,02
Viscosity (25°C)	mPa.s		3000-4000

### **MIXING RATIO OF COMPONENTS:**

	By Weight
A Component	10 units
B Component	0,6 unit

### **REACTION PARAMETERS:**

Test Name	Unit	Value
Waiting Time Between Layers	sec.	5-10
Pot Life	sec.	15-30

*\*The tests were carried out under laboratory conditions at 23°C. Values may vary under different temperature and humidity conditions.*

**APPLICATION CONDITIONS:**

For primer and polyurea 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:**

- After Component A is mixed with a low speed mixer, component B is added at the specified rate and mixing continues 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.
- Waiting time between coats should not exceed 24 hours.
- 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	9-10
<b>Elongation</b>	%	ASTM D 638	≥ 700
<b>Shore D</b>	-	ASTM D 2240	65-70
<b>Adhesion Strength</b>	N/mm <sup>2</sup>	ASTM D 4541	Concrete: ≥ 2

**CONSUMPTION:**

- Consumption for 1 mm dry film thickness is 1.40 – 1.50 kg/m<sup>2</sup>.

**PACKAGING:**

- Component A 10 kg/bucket, Component B 0,6 kg/bucket. Total 10,6 kg/set

**SHELF LIFE AND STORAGE:**

The components of MAXCIS 362-CP are sensitive to humidity and temperature. Therefore, they should be stored in original, unopened and undamaged packages, in dry environments away from direct sunlight.

	<b>Unit</b>	<b>A Component</b>	<b>B Component</b>
<b>Shelf Life</b>	month	12	12
<b>Storage Temperature</b>	°C	15-25	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.