

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 ³	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
Tensile Strength	Mpa	ASTM D 638	9-10
Elongation	%	ASTM D 638	≥ 700
Shore D	-	ASTM D 2240	65-70
Adhesion Strength	N/mm ²	ASTM D 4541	Concrete: ≥ 2

CONSUMPTION:

- Consumption for 1 mm dry film thickness is 1.40 – 1.50 kg/m².

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.

	Unit	A Component	B Component
Shelf Life	month	12	12
Storage Temperature	°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.