

MAXCIS 272-MT

Two Component, Moisture Tolerant, Polyurethane Based Primer

DEFINITION:

- It is solvent-free, polyurethane based primer.
- It has low viscosity and can be applied by spraying machine or brush-roller.
- It adheres perfectly to concrete surfaces.

USAGE AREAS:

- In priming the surface before epoxy, polyurea and polyurethane coatings



COMPONENTS:

- A Component: Polyurethane Resin
- B Component: Hardener

FEATURES OF COMPONENTS:

Test Name	Unit	A Component	B Component
Chemical Structure	-	Polyurethane Resin	Hardener
Density of Mixture (20°C)	g/cm ³		1,15 ± 0,05
Solid Content of Mixture	%		100 (by weight)

MIXING RATIO OF COMPONENTS:

	By weight
A Component	4 units
B Component	1 unit

REACTION PARAMETERS:

Test Name	Unit	Value
Full Curing Time	hour	6-8
Pot Life	minute	30

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

APPLICATION CONDITIONS:

- The surface must be solid and of sufficient strength.
- 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 humidity should be at most 6%.

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 appropriate materials.

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 mixture is applied to the surface with a suitable spraying machine or brush-roller.
- If necessary, a rough surface can be obtained by sprinkling silica sand on the applied primer before it dries.
- After the primer is cured, the excess silica sand sprinkled should be cleaned.

FINISHED PRODUCT FEATURES:

Test Name	Unit	Value
Hardness (Shore D)		~ 70
Adhesion Strength to Concrete	Mpa	2,0 ± 0,3 (rupture of concrete)

CONSUMPTION:

- Consumption is 0.30-0.50 kg/m² depending on the structure of the concrete surface.

PACKAGING:

- Component A 16 kg/pail, Component B 4 kg/pail. Total 20 kg/set

SHELF LIFE AND STORAGE:

The components of MAXCIS 272-MT 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.