# MAXCIS 271-S

## *One Component, Polyurethane Based Primer*

**DEFINITION:**

- It is containing solvent, transparent, polyurethane-based primer.
- It has low viscosity and can be applied by spraying machine or brush-roller.
- It is an impregnated primer developed for absorbent surfaces.


**USAGE AREAS:**

- In priming the surface before polyurethane coatings
- As a first coat primer to increase strength on absorbent surfaces

**FEATURES OF COMPONENTS:**

| Test Name | Unit | Value |
|---|---|---|
| **Chemical Structure** | - | Poliurethane with solvent |
| **Density of Mixture (20°C)** | $g/cm^3$ | 1,02 ± 0,02 |
| **Solid Content of Mixture** | % | 60 (by weight) |

**REACTION PARAMETERS:**

| Test Name | Unit | Value |
|---|---|---|
| **Curing Time** | hour | 3-4 |

** 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 4%.

**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:**

- The product is mixed with a low speed mixer 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 |
|---|---|---|
| **Adhesion Strength to Concrete** | Mpa | 2,0 ± 0,3 (rupture of concrete) |

**CONSUMPTION:**

• Consumption is 0.20-0.30 kg/m2 depending on the structure of the concrete surface.

**PACKAGING:**

• 15 kg/pail

**SHELF LIFE AND STORAGE:**

The MAXCIS 271-S 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 |
|---|---|---|
| **Shelf Life** | month | 9 |
| **Storage Temperature** | °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 packages to organizations authorized to collect hazardous waste.