

# MAXCIS 442-TX

## *Two Component, Epoxy Based, Textured, Coating Material*

### DEFINITION:

- It is a solvent-free coating material with an orange peel appearance.
- It adheres perfectly to concrete surfaces.
- Provides anti-slip properties and covers concrete defects
- It has high mechanical strength and abrasion resistance.
- It is easy to clean.



### USAGE AREAS:

- Parking lots, factories, warehouses and hospitals
- Refinery, petrochemical and energy facilities and other industrial floors
- Auto galleries and showrooms
- Shops
- Aircraft hangars

### COMPONENTS:

- Component A: Epoxy Resin
- Component B: Hardener

### FEATURES OF COMPONENTS:

Test Name	Unit	A Component	B Component
Chemical Structure	-	Epoxy Resin	Hardener
Density of Mixture (23°C)	g/cm <sup>3</sup>	1,60 ± 0,05	
Solid Content of Mixture	%	100 (by weight)	

### MIXING RATIO OF COMPONENTS:

	By Weight
A Component	7 units
B Component	1 unit

### REACTION PARAMETERS:

Test Name	Unit	Value
Full Curing Time	hour	12-16
Pot Life	minute	25-30

*\* The tests were carried out under laboratory conditions at 23°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.

**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.
- Priming is done with an epoxy-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.
- After resting the prepared mixture for 1-2 minutes, it is poured onto the ground and spread on the surface with a notched trowel to obtain equal thickness.
- An orange peel appearance is obtained by passing a crystal patterned sponge roller over the spread product.
- It is important to apply the crystal patterned sponge roller in the same direction and at regular intervals for a smooth surface appearance.
- Spiked shoes are preferred to avoid leaving footprints during application.

**FINISHED PRODUCT FEATURES:**

Test Name	Unit	Value
Compressive Strength	N/mm <sup>2</sup>	90-92
Adhesion Strength to Concrete	Mpa	>4 (rupture of concrete)
Hardness (Shore D)		75-80

**CONSUMPTION:**

- Consumption for one layer is approximately 0.50-0.70 kg/m<sup>2</sup>.

**PACKAGING:**

- Component A 21 kg/pail, Component B 3 kg/pail. Total 24 kg/set

**SHELF LIFE AND STORAGE:**

The components of MAXCIS 442-TX 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
<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.