

# MAXCIS 572-TC

## ***Two Component, Polyurethane Based, Aliphatic, Topcoat Paint***

### **DEFINITION:**

- It is semi-gloss looking top coat paint that does not change color under sunlight.
- It has a flexible structure and fast drying feature.
- It has high mechanical and chemical resistance.
- It can be applied by spraying or brush-roller.

### **USAGE AREAS:**

- On epoxy, polyurea and polyurethane coatings
- Machinery, metal constructions
- Concrete and metal surfaces in industrial areas
- Tanks and silos
- Ship decks



### **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 <sup>3</sup>		1,20 ± 0,05
Solid Content of Mixture	%		73 (by weight)

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

	By weight
A Component	4 units
B Component	1 unit

### **REACTION PARAMETERS:**

Test Name	Unit	Value
Tack Free Time	minute	60-90
Full Curing Time	hour	8
Opening Time to Traffic	hour	24
Pot Life	minute	40

*The tests were carried out under laboratory conditions at 20°C.*

**APPLICATION:**

- The application surface must be clean and dry. There should be no rust, dust, oil and water.
- Application should not be made in windy weather.
- It can be applied directly over previously made coatings such as epoxy, polyurea or polyurethane.
- Concrete or metal surfaces should be primed with a polyurethane or epoxy based primer before 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.
- Recommended air and surface temperature is between 5°C and 40°C.
- Relative humidity should be lower than 85% during application.
- Generally, a single layer application is made. Approximately 2 hours should be waited to apply the second coat.
- If more than 72 hours have passed since the first coat application, the first coat surface needs to be lightly sanded.

**FINISHED PRODUCT FEATURES:**

Test Name	Unit	Value
Appearance		Semi-gloss
Dry Film Thickness	micron	60 - 80 $\mu$
Paintable Area (for 60 - 80 $\mu$ thickness)	m <sup>2</sup> /kg	7-8

**CONSUMPTION:**

- Consumption for 1 layer application is approximately 0.10-0.15 kg/m<sup>2</sup>.

**PACKAGING:**

- Component A 20 kg/pail, Component B 5 kg/pail. Total 25 kg/set

**SHELF LIFE AND STORAGE:**

The components of MAXCIS 572-TC 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.