

# MAXCIS 311-SR

## ***One Component, Elastomeric Resin Based Waterproofing Membrane***

### **DEFINITION:**

- It is UV resistant, solvent free, highly elastic, waterproofing material.
- It prevents the building from heating up by reflecting the sun's rays.
- It has high resistance to water accumulation on itself.
- It has water vapor permeability.

### **USAGE AREAS:**

- Flat or sloping roofs, balconies and terraces
- Roof water channels, chimney bottoms and parapets
- Building exteriors
- Over waterproofing materials containing old bitumen
- On thermal insulation materials (spray PU foam)
- Concrete, metal, PVC, polyester and wooden surfaces



### **FEATURES OF COMPONENT:**

Test Name	Unit	Value
Chemical Structure	-	Elastomeric Resin
Color	-	White, gray, red, green
Density (20°C)	g/cm3	1,40 ± 0,05

### **APPLICATION CONDITIONS:**

- The surface must be solid and of sufficient strength.
- Recommended air and application surface temperature is between 5°C and 35°C.

### **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.

**APPLICATION:**

- The product is mixed with a low speed mixer until a homogeneous mixture is obtained.
- The prepared product is diluted with approximately 20% of water and applied as a primer coat.
- After the primer coat has cured, the first coat of the product is applied with a suitable spraying machine or brush-roller.
- The second coat should be applied after the first coat is completely dry.

**REACTION PARAMETERS:**

Test Name	Unit	Value
Tack Free Time	hour	2-3
Waiting Time Between Layers	hour	4-6

**FINISHED PRODUCT FEATURES:**

Test Name	Unit	Standard	Value
Tensile Strength	Mpa	ASTM D 638	>3,5
Elongation	%	ASTM D 638	>400
Solar Reflection	%	-	94
Adhesion Strength	N/mm <sup>2</sup>	EN 1542	>1,5

**CONSUMPTION:**

- Consumption for two layers application is 1,50 – 2,00 kg/m<sup>2</sup>.

**PACKAGING:**

- 5 kg or 20 kg/plastic buckets

**SHELF LIFE AND STORAGE:**

The MAXCIS 311-SR 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	12
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 buckets to organizations authorized to collect hazardous waste.