

# MAXCIS 382-CR

## ***Two Component, Cement Based, Crystallized Waterproofing Material***

### **DEFINITION:**

- It reacts with the chemicals in the concrete and forms crystals, thus providing water impermeability by blocking the capillary gaps in the concrete.
- Provides insulation from both negative and positive directions.
- Can be used on horizontal and vertical surfaces.
- It has a flexible structure.

### **USAGE AREAS:**

- Drinking water and domestic water tanks
- Pools
- Underground structures such as basements and parking lots
- Plant pots
- Retaining walls

### **SURFACE PREPARATION:**

- The surface must be solid and of sufficient strength.
- Recommended air and application surface temperature is between 5°C and 35°C.
- The application surface must be clean. There should be no rust, dust and oil.
- Weak layer and mortar residues on the concrete surface should be cleaned by mechanical grinding method.
- Concrete repairs should be made with suitable epoxy or cement-based materials.
- Dilatation and chamfers must be prepared with suitable materials.
- The application surface must be damp. The surface must be completely saturated with water, the first 24 hours before application and the second 2-3 hours before application.
- There should be no water accumulation on the surface at the time of application.

### **APPLICATION:**

- Component B is mixed with 5-6 liters of clean water in a container.
- While component A is slowly added to the prepared mixture, mixing continues for 3-4 minutes with a low speed mixer.
- The prepared mixture is applied in 2-3 layers with a brush or suitable spraying machine.
- After the previous layer dries (3 hours at the earliest, 24 hours at the latest), the next layer should be applied and all layers should be applied in the same direction.



- All applied layers should be protected from water, extreme heat and cold for at least 24 hours. (ideal temperature range is 5°C - 35°C)

**TECHNICAL SPECIFICATIONS:**

Test Name	Unit	Value
<b>Density of Mixture (23°C)</b>	g/cm <sup>3</sup>	1,90 ± 0,05
<b>Compressive Strength</b>	Mpa	27-28
<b>Adhesion Strength</b>	N/mm <sup>2</sup>	concrete: >2,0
<b>Water Pressure Resistance (Positive-Negative)</b>	bar	13-14

**CONSUMPTION:**

- Consumption for each layer application is approximately 1,00 kg/m<sup>2</sup>.

**PACKAGING:**

- A (powder) component 25 kg, B (liquid) component 3 kg. Total 28 kg/set

**SELF LIFE AND STORAGE:**

It should be stored in original, unopened and undamaged packages, in dry environments between 15°C-25°C, away from direct sunlight. Shelf life is 12 months.

**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.