

# CRYST TOP COAT®

Article-No.: 05200

## WATERPROOFING ELASTOMERIC TOP COAT

### DESCRIPTION

CRYST TOP COAT® is a single component, elastomeric roof coating, water-based acrylic membrane in a white appearance that helps to reflect both sun rays and heat from the roofs and act as a waterproofing and heat insulator in a time. The high bonding and reflectivity combined with good weatherability, ultraviolet resistance, adhesion, and ease of application make CRYST TOP COAT® an effective coating for providing long-term reflectivity over a wide range of roofing substrates such as concrete, cement screeds, and tin sheets. CRYST TOP COAT® keeps the roof substrate cool, which not only helps prolong its longevity but also helps save on energy costs. CRYST TOP COAT® forms a seamless elastic membrane, capable to seal and react with any existing or generating cracks for water and weather resistance.

### FEATURE AND BENEFITS

- Ideal for waterproofing, UV stable, and external conditions resistant.
- Helps save energy costs by reflecting sun rays and heat away from the building.
- Suitable to be coated over leaking finished roofs.
- Self priming, non-toxic, and non flammable.
- High durability to long term weathering effect.
- High adhesion on many substrates including concrete, cement mortars, and screeds properties.
- Very good elastic properties.

### FIELD OF APPLICATION

- Uses for all types of waterproofing and protective coating for roofs, terraces, and balconies.
- Waterproofing and protective coating for most building substrates such as concrete, cement screeds, brick, plastering, tiles, zinc, PU foam, and steel.
- Decorative overlay and over existing terrazzo tiles.
- Waterproofing of corrugated sheets and sloped roofs.

### MATERIAL PROPERTIES

Form:	liquid
Appearance:	white
Density:	approx. 1.20 ± 0.05 kg/l
Application temperature:	+5°C up to +45°C
Pot life (30°C):	approx. 45 minutes, depend on temperature

### TECHNICAL DATA

Solid Content:	% 64 ± 1
Elongation @break:	% 350 ± 25
Curing time:	48 ± 6 hrs
Service temperature:	-5°C up to +80°C

### DIRECTION FOR USE

#### Surface preparation:

Clean and prepare surfaces to receive coating by removing all loose and flaking particles, grease, and laitance with the use of a stiff-bristle push broom and/or pressure-washing. Be sure that the substrate is dry before applying the coating. Damaged area like cracks, holes or cavities have to be chased out and filled with CRYST MORTAR.

## Application:

May be applied by soft brush, roller or spray gun. Apply two coats to a thickness of 0,5mm per coat and allow drying for at least 24 hours. In some places (like in corners and edges), where higher waterproofing and special protection is required, it is recommended to lay a fiber fabric on the wet first coat, and when it dries, apply the second one to create reinforced layer to resist substantial movements and expected cracks.

## Application rates:

approx. 0.75 – 1 kg/ m<sup>2</sup>, per coat@ 0.5mm.

## NOTES:

- Allow at least 48 hours to cure before subjecting to foot traffic.
- Protect from rain for at least 24–48 h after application.
- Clean all tools immediately with water after use.
- To fully activate the material may require 3 days.
- Store in a dry environment.
- For more detailed instructions, or information concerning the compatibility of the CRYSTARM® application contact the CRYSTARM® Technical Department or your local CRYSTARM® representative

## RECOMMENDED TOOLS

Brush, roller, gloves, safety glasses, and mixer stirring machine

## PACKAGING

CRYST TOP COAT® is available in 20 kg pail

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## STORAGE & SHELF LIFE

Keep CRYSTARM products must be stored dry and at a temperature of no less than 45°F (7°C). 12 months is the maximum shelf life when stored under proper conditions in original unopened packaging.

## SAFETY HANDLING

CRYST TOP COAT® is an alkaline, non-hazardous. It should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting. For further information please refer to Safety Data Sheet. KEEP OUT OF REACH OF CHILDREN.

## CRYSTARM®

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**WARRANTY:** The Manufacturer warrants that the products manufactured by it conform to the formulation standards contained in all components in their proper proportion and are free from material defects. If any of the products are found to be defective the subsequent liability to The Manufacturer shall be limited only to the replacement of the product proven to be defective and shall not be liable for any other claim or for incidental or any consequential damages that may arise directly or indirectly with the said defective product. The user shall determine the suitability of the product for its intended use and the user assumes all liability in connection therein and the manufacturer shall not be liable save for terms of this warranty.