



CRISTAPRUF CRYSTALLIZATION

DESCRIPTION

FLEXCOAT CRISTAPRUF is a single component waterproofing system based on crystallization formation throughout the pores and capillary tracts of concrete to withstand strong hydrostatic pressure. The material gives a strong and lasting waterproofing system against dampness, ground water and hydrostatic pressure.

USES

For application to interior and exterior below grade surfaces, against concrete decay and waterborne corrosive salts. For application in negative waterproofing and horizontal structural slabs against hydrostatic pressure.

Area of application :

- Basement
- Potable water tank
- Swimming pool
- Wet areas
- Tunnel
- Underground garages
- Planter boxes

ADVANTAGES

- Single component and easy to apply.
- Can be used in negative waterproofing system.
- Protection against raising dampness on ground slab.
- Non toxic and can be used in contact with potable drinking water.

TECHNICAL DATA

Pot Life		1 hour
Initial Set		3 hours
Final Set		4 hours
Bending strength	2 days	$\geq 5 \text{ N/mm}^2$
	28 days	$\geq 22 \text{ N/mm}^2$
Compressive strength	2 days	$\geq 7 \text{ N/mm}^2$
	28 days	$\geq 40 \text{ N/mm}^2$
Chloride content		$\leq 0.002\%$
Adhesion strength		$\geq 3 \text{ N/mm}^2$
Improves water permeability of concrete by more than 300%		
Resistance to hydrostatic pressure when applied on negative side		
a) impermeable at 140m head of water for 200 hours.		

Single Component Cementitious Waterproofing System

APPLICATION

- Make sure the substrate must be clean and free from laticence, oils, grease, curing agents or other foreign matters.
- Fill all voids, cracks, fillet edges and angles with Non-Shrink grout so that the prepared surface is sound, even and clean.
- Flexcoat-Cristapruf must be applied on damp substrate. Pre-wet until damp prior to application of Flexcoat-Cristapruf.
- Mix with up to 10 litres clean water to 25kg Flexcoat-Cristapruf. Always mix the power to the clean water and using a mechanical stirrer mix for 2-3 minutes until a smooth lump free consistency is achieved.
- Apply in 2 coats in a perpendicular direction using block brush or roller. The 2nd coat must be applied while the 1st coat is still green but sufficiently set so that it is not drawn off while applying the 2nd coat.
- The mixed material must not be applied at temperature below 5°C or on frozen surface, at no instance should the total thickness exceed 5mm in a single application.

PROTECTION

Protection of Flexcoat-Cristapruf is not obligatory. However if used on external areas, subject to rain, harsh sunlight or frost, the finished application should be protected for at least 24 hours.

PACKAGING

25kg bag.

SHELF LIFE

Shelf life of 12 months stored in unopened bag in a cool dry elevated place.

COVERAGE

Apply at the rate of 2-4kg/m² depending on the area of application.

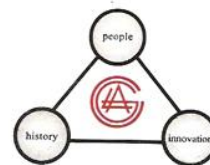
HEALTH AND SAFETY

Flexcoat-Cristapruf is a cement based product and contains alkali which may cause dermatitis, we recommend that PVC or similar gloves and safety goggles should be worn during handling.

Disclaimer. The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usages.



CERTIFICATE NO.: Q6111



GLOSCORE PHILIPPINES, INC.
Rm. 206 Liwag Bldg., 1258 Batangas St., Makati City
Tel. Nos. 893-0031 / 888-0643 to 44

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