



DARMA CRYSTAL

Single Component Crystalline Waterproofing



OVERVIEW

Darma crystal a single component, cement based, ready-mixed, in-depth crystalline waterproofing compound containing crystals that are essential to block pores.

PROPERTIES

- ✓ Prevent water ingress (Impermeable)
- ✓ Blocks the capillaries and minor shrinkage cracks
- ✓ Single component
- ✓ Mixed and applied easily
- ✓ Good adhesion to most surfaces
- ✓ Non-Toxic
- ✓ Brush or Trowel applied

Surface Preparation

- Clean the surface
- Any adhesion reducing substances like oil, grease, paints, dust must be removed
- On new or smooth faced concrete, surface should be roughened (sand blasted) to provide an open pored surface to enhance the effectiveness of the crystallization process.
- Dampen the surface without leaving any standing water

AREA OF APPLICATION

- ✓ Balconies
- ✓ kitchen
- ✓ Gutter
- ✓ Bathroom walls
- ✓ Walkways and sidewalks
- ✓ Parapet walls
- ✓ Over coating existing roof waterproofing system

MIXING

- Mix the crystal and water with the ratio of (3:1) depending on the number of coats and area to be covered. (Mix 15kg of Darma Crystal with 6L of water)
- Mix in a clean container for at least 15 minutes for manual mixing and 10 minutes for machine mixing to a lump free, homogenous consistency of thick oil paint

APPLICATION

- Apply the primary coat of at least 1mm thick using fiber brush.
- Wait 6-8 hours until the first coat dries.
- Apply the secondary coat perpendicular (90°) to the first coat (crosswise) in order to cover spaces that were uncovered otherwise because of surface irregularities.
- After 8 hours do water test and proceed to the next phase of construction.

COVERAGE

- It depends on cleanness and levelness of the surface; 15Kg of crystal covers up to 16m² of surface with double coat.

PACKAGING

- 15kg plastic container

Technical data

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Storage

24 months; when stored in dry place in unopened and undamaged original packaging.

Precautions

- Always apply at least two coats of the crystal waterproof
- Avoid using sharp tools after applying waterproof
- Eyes and skin should be protected by wearing security goggles, gloves and dust mask.
- In case of contact, wash with plenty of water.
- In case of eye contact, immediately seek medical attention

Technical data

Appearance	Powder
Color	Grey
Bond strength /pull-off strength	>1.6 N/mm ²
Bond strength after water immersion	>2.12 N/mm ²
Compressive strength 7 days	14.24 Mpa
Water absorption	15.82%
Impermeability to water	No penetration