

VX Guardian SC Crystalization is a waterproofing skimcoat made from specially formulated chemicals capable of penetrating into the substrate and reacting to create crystals that fill cracks/pores to prevent water ingress from all sides (both outside and inside).

APPLICATION AREA

- Basement walls.
- House walls & Roof decks.
- Tunnels and subway constructions.
- Parking areas.
- Swimming pools.
- Water structures and reservoirs.
- Concrete walls and floors

ADVANTAGE

- Easy to apply.
- Reduces porosity and permeability.
- Enhances concrete durability.
- Can be used on damp concrete.
- Effective for hydrostatic water (negative waterproofing).
- Non-toxic.
- Can be coated with paint without altering the paint color.

PACKAGING

VX Guardian SC Crystalization is packaged in 20 kg/bag.

STORAGE

VX Guardian SC Crystalization has a shelf life of at least 12 months, provided it has not been opened and is stored in a cool, dry place.

PRODUCT SPECIFICATION

Form	Powder
Type	Calcium silicate hydrate cement waterproofing
Mixing ratio with water (by weight)	Water : Powder = 1 : 3
Colour	Grey (Natural)
Application thickness	1 - 2 mm
Drying Time (30° C) Initial setting Full Cure	3 hours 28 days
Application temperature	10 - 35°C

TECHNICAL DATA

DENSITY Dry Wet	1.35 (± 0.05) gr/ml 1.95 (± 0.05) gr/ml
Compressive strength (28 days) (ASTM C-109)	~ 450 kg/cm ²
Bond strength to substrate (ASTM D4541)	~ 1.3 N/mm ²
Water resistant (Full Cure)	Excellent

APPLICATION

I. SURFACE PREPARATION

- Clean the surface from old paint layers and ensure it is free from dirt, dust, and oil.
- Scrape off the old plaster to achieve maximum adhesion.

II. MIXING

- First, add 3/4 part of the required water into the container.
- Slowly add VX Guardian SC Crystalization into the container while continuing to stir until all the ingredients are evenly mixed. Ensure no lumps remain, especially at the bottom of the container.
- Gradually add the remaining water until the desired water requirement is met.

III. APPLICATION

- Apply VX Guardian SC Crystalization using a trowel on the wall or concrete surface.
- Smooth it out until the pores are completely covered with a single-directional stroke.
- When the first layer is half dry, if needed, continue applying the second layer.

HEALTH AND SAFETY

VX Guardian SC Crystalization does not contain hazardous substances that require special labeling. Avoid direct contact with skin and eyes. If it comes into contact with the eyes, rinse with warm water for several minutes. The use of goggles, gloves, and a mask is highly recommended during the application process.