

SAB[®] Crystal Coat CP 212

Crystalline Capillary Waterproofing Coating for Concrete

Description

SAB[®] Crystal Coat CP 212

is a one component, capillary crystalline, waterproof coating, which waterproofs concrete structures by forming insoluble crystals in concrete capillaries. SAB[®] Crystal Coat CP 212 waterproofs both from negative and positive direction and is ideally suited for basement water proofing. SAB[®] Crystal Coat CP 212 cures to a hard-robust abrasion resistant coating.

Usage:

Water Retaining Structures such as water tanks and swimming pools, reservoirs, dams, canals, sewerage & water treatment works and concrete pipes.

Water Excluding Structures such as foundations and shallow basements, tunnels and subways, underground cap parks, Inspection pits and lift shafts, Sea defense walls, Bridge decks, Jetties Retaining walls & Civil substructures.



ADVANTAGES

- Negative and Positive waterproofing
- Replaces ineffective sheet membranes.
- Seals shrinkage cracks up to 1/64" (0.4 mm) width. Reduced chloride permeability.
- Protect concrete and reinforcement from corrosion due to water born substances like chlorides and sulphates.
- Easy to apply product and Excellent adhesion
- Non-toxic and suitable in potable water containment.
- Not a vapor barrier - allows concrete to breathe.
- Negligible interference with water reducers & plasticizers.
- Negligible effect/influence on slump and air entrainment.
- Impervious to physical damage and deterioration
- Non-toxic, inorganic, zero VOC (0%)
- Less costly than traditional methods of waterproofing.
- Economic efficiency
- Improves resistance of concrete structures against weathering and chemical attack.

Technical data SAB[®] Crystal Coat CP 212

Component	Single
Color / Form	Grey Powder
Bulk Density	Approx. 1.5 kg/m3

Application Temperature	5°C to 45°C
Mixing Ratio	20 Kg: 6 Litres of water
Pot life	2 to 3 hours
Setting time	3 hours approx.

(Typical Properties tested at 25°C under laboratory conditions)

(The properties shown above were obtained under laboratory conditions).

All values given are subject to 10% tolerance

PREPARATION OF SURFACE

Ensure that all dust, dirt and foreign matter are scraped and brushed away. Also ensure the surfaces are free from salts, oil, grease and ridges, and protect all adjacent surfaces not to be covered.

If repair area is dry at the time of repair, moisten substrate before application of SAB[®] Crystal Coat CP 212.

APPLICATION AND CLEANING OF TOOLS

*Add the powder to water and use a power agitator until the mix is homogenous. Mix the powder with water in the ratios as shown in the Technical Data and apply in 2 to 3 coats to achieve an overall thickness of 1.5-2.0mm with an overall material consumption of 2.0-3.0kg/m².

*Apply using brush or spray, leaving 3 hours between coats. SAB[®] Crystal Coat CP 212 should be used within 1 hour.

*Cured CRYSTACEM-CP should be kept moist for 5 to 7 days to promote crystal formation

EQUIPMENT CLEANING

Clean all equipment and tools with water immediately after use.

HEALTH AND SAFETY

PPE's Gloves, goggles & suitable mask must be worn. Precautions: Contact with skin, eyes, etc. must be avoided.

Hazard: Regarded as non-hazardous for transportation.

Disposal: Do not reuse bags or containers. To be disposed off as per local rules & regulations.

PACKING AND STORAGE

PACKAGING

20kg Bag

25kg Plastic Pail

COVERAGE

Apply in 2 to 3 coats to achieve an overall thickness of 1.5-2.0mm with an overall material consumption of 2.0-3.0kg/m².

6m to 10m total coverage.