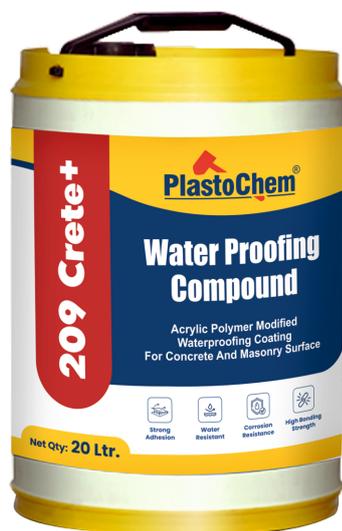


# 209 Crete+

(Acrylic Polymer Modified waterproofing coating for concrete and masonry surface)



Enhances the workability of concrete and cement



Develops a durable, hard surface



Provides resistance to salt penetration



Applicable on both horizontal and vertical surfaces



UV-stable and chemically resistant



Non-flammable

**Plastochem 209 Crete+** is a high-performance white acrylic polymer based cementitious compound that forms a seamless, durable coating ideal for both new construction and repair applications. It provides effective protection in a wide range of areas including water bodies and bonding agent for wide variety of applications in new and old building. It improves tensile & flexural strength of concrete and increases the durability of the structure.

## Available in Packing:

1, 5, 10, 20, 50, 200 Ltr.

## Application Areas

- Waterproofing of roofs, bathrooms, toilets, kitchens.
- As protective coating in swimming pool, water tanks etc.
- As bonding agent for old concrete and new concrete.
- Protection of concrete against corrosion and exposure to moisture.
- Foundations, channels, dams, water tower, reservoirs, sewers etc.

## Technical Properties

SPECIFICATIONS	RESULTS
Appearance	Milky White
Nature	Free flowing liquid
Toxicity	Non-Toxic
Specific Gravity @ 27° C	1.02 ± 0.02 gm/ml
Solid Content	35 ± 3% (w/w)
pH Value	8-10
Compressive strength (28 Days)	>30.0 N/mm <sup>2</sup>
Full Cure	14 Days

## Method of Application

### SURFACE PREPARATION



- Ensure the surface is clean, stable, and free from oils, grease, or any contaminants. Remove loose materials using scraping, chipping, or mechanical abrasion.
- Fill any cracks or level porous areas with an appropriate filler.
- Saturate the surface with clean water for at least one hour before applying.
- For salt-damaged areas, wash thoroughly with muriatic acid and rinse with ample water until neutral to litmus paper.
- Ideal application temperature is between 10° C to 40° C.

### MIXING

- In a clean container, add 1 part by weight of **Plastochem 209 Crete+**.
- Gradually mix in 2 parts by weight of fresh cement while stirring continuously until homogenous mixture.



### APPLICATION

- Apply the mixed slurry evenly on the prepared surface using a wide flat brush or trowel.
- Let the first coat air dry for 3 to 6 hours, depending on weather conditions.
- Apply the second coat with a freshly mixed slurry after the first coat has dried sufficiently.
- Stir the slurry frequently during the use to maintain an even consistency and prevent settlement.



### CURING

- After application of **Plastochem 209 Crete+**, let the surface dry for 3-6 hours.
- In case of high temperature and high wind condition, cover the application area with polythene sheet to avoid rapid drying of the coating.
- After 6 hours of air drying, moist curing should be done by spraying clean water and let it dry for 24 hours. Water submersion should be avoided during this time.
- Following moist curing of 24 hours, allow to air dry for next 2 days before submersion in water.

## Coverage

Application Area	209 Crete+ : Cement: Sand	Coverage (m <sup>2</sup> /kg)
As waterproofing coating	1:2:0	2-2.50m <sup>2</sup> (1mm thickness in 2 coats)
As Repair Mortar	1:2:0	2-2.30m <sup>2</sup> (2mm thickness in 1 coats)
As Bonding Coat	1:2:0	2-2.50m <sup>2</sup> (1mm thickness in 2 coats)

## Limitations

- Do not use slurry mixed for more than 30 minutes, as its effectiveness may be reduced.
- Follow recommended dosage only.
- Always add cement to the liquid, not the other way around.
- Apply two or more coats of Plastochem 209 Crete+ for better durability and waterproofing.
- For longer film lifespan, especially in high-traffic areas like roof slabs, add a thin layer of lean concrete with proper slope for extra protection.

## Precautions

- Use rubber hand gloves & safety goggles, while using Plastochem 209 Crete+.
- In case of contact with skin, wash with plenty of water and seek medical advice, if needed.
- Keep out of reach of children.

## Storage & Shelf Life

Store in cool and dry place, preferably away from direct sun light.

**Shelf life:** 12 months from the date of manufacture when stored in a cool & dry place in a sealed packed container.

Manufacturer:

**KG Plastochem (I) Pvt. Ltd.**

An ISO 9001: 2015 Certified Co.

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