



SUPER CRETE

**ACRYLIC POLYMER MODIFIER FOR CEMENTITIOUS
COMPOSITIES**

Description

Supercrete is a white liquid Acrylic Polymer admixture for waterproof coating, bonding agent, repair-mass-in-fill and non-shrink polymer cement grout system.

Areas of Application

- 1) Supercrete is recommended for use in the following areas of application
- 2) Waterproof and damp-proof coating in the form of cement slurry/cement mortar
- 3) As a bonding agent on cold/construction joints
- 4) Concrete repair as a patching mortar
- 5) Protective layer for cementitious surface
- 6) Injection into concrete/rock structures in the form of cement slurry
- 7) As a mortar or slurry coating for better resistant to chemical attack

Features & Benefits

Good bonding properties
Good as a waterproof coating
Static cracks can be filled with mortar made with Supercrete
A good modifier to make repair mortar/concrete
Durable to UV exposure
Eco-friendly

Method of Application

Surface Preparation

Surface should be sound, clean of oil, grease, dust and other surface contaminants.

Prepared surface should be thoroughly dampened with water preferably over night for application, as a repair plaster. For use as a bonding agent / waterproof coating, concrete or masonry surface must be in a saturated surface dry condition.

a) Waterproof cement slurry

Mix 1 Litre of "Supercrete" liquid with 2 Kg of fresh 43 or 53 grade OPC (do not use lumpy or air set OPC or PPC) thoroughly to make smooth brushable consistency. Such mixed material (say 3 Kg.) will provide the coverage between 1.5 m² and 2.0 m² depending upon surface texture/porosity on a prepared surface. The thickness varies from 0.9 to 1.1 mm.

b) Bonding coat between two courses of concrete/mortar

OPC = 1.75 Kg.
Zone III Sand = 1.75 Kg.
Supercrete = 1 ltr.

Mix to a smooth consistency and then apply by brush. Within 5 minutes of application start placing the concrete over it and compact the mass as usual within 45 minutes. Critical Cold joints/construction joints are not only be well bonded but also will not give rise to any future water leakage. 4.5 kg of mixed material will cover around 2.20m² to 2.60m² in single coat, which is recommended. The pouring of new concrete/ mortar should be completed within 45 minutes of Bond Coat application

c) Brush topping

Fresh O.P.C. = 1 Kg.
60/80 mesh quartz sand = 1 Kg.
Supercrete = 0.60 Ltr.

Mix to a smooth consistency. Apply on a prepared surface by brush. Such 2.6 kg mixed material will provide coverage around 1.3 m² to 1.7 m² in two coats depending upon surface texture porosity. Thickness varies from 0.8 to 1 mm.

d) Repair mortar

O.P.C. = 6 Kg.

Zone II sand = 15 Kg.

Supercrete liquid polymer = 2 ltr.

Such 23 kg mixed material will provide coverage around 1.3 m² to 1.7 m² in two coats depending upon surface texture porosity. Thickness varies from 0.8 to 1 mm.

e) Heavy-duty floor topping

O.P.C. = 3 Kg.

Zone II sand = 5 Kg.

Supercrete = 1 ltr.

Such 9 kg mixed material will cover about 0.80 to 1.0 m² surface of 4 to 5 mm thickness.

f) Exterior Plaster

O.P.C. = 50 Kg.

Zone II sand = 150 Kg. (Passing 2.36 mm sieve)

Supercrete = 5 ltr.

Water = 10 to 12 ltr.

Yield = 0.09 m³

Coverage = 4.50 to 4.80 m² for 20 mm plaster

g) Injection grouting

O.P.C. = 3 Kg.

Supercrete = 1 ltr.

Grout Mix = 30 gm.

h) Adhesive-mortar for tiles, glass, brick etc.

O.P.C. = 3 Kg.

Zone III sand = 6 Kg.

Supercrete = 1.40 ltr.

Such 10.40-kg mixed material will cover around 1.5 m² to 2.00 m². Thickness is about 3 mm.

I) Passivating Coat

For protection of steel reinforcement from corrosion

O.P.C. = 2 Kg.

Supercrete = 1 Kg.

Mix to form uniform slurry and apply with paint brush in two coat

Coverage = 20 Sq. ft. in two coats.

Technical Information

Colour :	Bluish white/milky liquid polymer.
Density :	1.05 + 0.02 kg/litre.
Bond Strength :	2 times more than normal cement slurry coating.
Waterproofing :	10 times higher than the normal cement slurry and mortar under same workability and curing
Minimum film forming temperature :	5°C

Precautions & Limitations

Prepared surface should be thoroughly dampened with water preferably over night before any application.

Packing

1 ltr, 5ltr, 10 ltr, 20 & 210 ltrs. drums.

Shelf Life

One year from the date of manufactures in unopened containers stored at cool & dry place.

Storage

Store in Cool place under the shade.

PROOFER SUPER CRETE



Storage

Store in Cool place under the shade.

Health & Safety Precautions

Use of rubber gloves, for hand pressing of Supercrete mortar recommended.