



GP Coat Anti Carbonation

GP Coat Anti Carbonation coating, single pack ready to use coating system. The coating is water based and contains blend of Acrylic resin polymers. The coating is extremely adhesives fixable and water proof and can be applied by brush roller or spry. The material is a white anti carbonation flexible protective coatings to concrete. It also provide a cover cementations material. Steel, wood brick and other constructive materials. The coating is supplied in 5,20 litter pack and has a shell life of 1 year.

Special properties.

Nearly 200 Micron dry film GP Coat Anti carbonation coating is equalent of 744 mm good quality concrete.

Can be used on all construction materials, concrete, mortar, render, masonry, stone, wood, plastic etc, .

Thixotropic will not slump or drip.

Highly Adhesive flexible and durable.

Resistant to ultraviolet light and colour fast.

Microspores waterproof and weatherproof.

Resistant to chemical attack and acid gasses.

Resistant to microbial growth algae fungi and mould.

Supplied in white or available in a range of attractive colours.

Water soluble equipment is quickly wash and cleaned with water.

Economically, environmentally, user friendly non toxic and safe to use.

USES

To prevent carbonation and sulphation concrete and cementations material.

Water proofing application to concrete structure walls and roofs.

Water proofing application to brick block stone and masonry



Protective paint for concrete steel, stone, brick, and render.

To protect structures from weather and weathering

Protect reinforced concrete against freeze – thaw – cycles De- Icing salts aqua solutions acid gases and solutions

Elastic requirement over cracked surface and moving substrates.

To produce smooth coloured and aesthetically pleasing finish

To produce uniform coloured finishes to areas of concrete containing concrete repairs.

MIXING INSTRUCTIONS

GP Coat anti carbonation coating single pack system requires no mixing and ready for use. (sometimes needed 5-10 % water dilution in order to get good finishing or to maintain good application momentum)

APPLICATION PROCEDURE

Good surface preparation is essential part of any successful coating application all substrate should be mechanically sound and thoroughly clean

On heavy contaminated surface on dust, dirt, oil, greases. Organic growth must be mechanically removed until a sound clean substrate is obtained blow or brush away any dust or debris,. GP Coat Fungicidal wash treat any fungus or mould.

On weak friable and porous substrate use GP Coat PRIMER LATEX to penetrate consolidates strength and seals the surface. With brush or soft broom brush the latex completely and evenly over the surface, work the latex well in to the substrate. The latex dry out usually 15 to 20 mints depending on conditions.

If the substrate having block holes fill it with putty, if the surface needed the putty application fill and apply one coat of putty make to get the smooth surface required . Priming has to be done with the same material, GP coat anti carbonation coating dilute with 20-30 % water and apply in a thin coat as a primer which will enhance the adhesive effect. After that continue two coat application of GP Coat Anti carbonation coating will give the required dry film thickness to provide the anti carbonation properties to the film.

Brush or sry at the rate of 5 m2 liter to give a cover approximately 200 microns (approximate dry film thickness will be 100 microns.) , the rate will be very depending on the surface porosity and texture of the substrate the greater quantity of coating will be required surface that are porous and rough. If necessary application a second coat after the first coat is dry this is normally 5 to 8 hrs. The spread rate for a two coat application is 2.5 m2 liters. Do not apply temperature below 5c when the relative humidity greater than 75 .



TECHNICAL DATA

FINISH	Eggshell
Form	liquid
Colour	various colours
Odour	nearly odourless
Density	1.40+- .05/ cm ³ at 20 c
Bulk density	not applicable
PH	9-10at 20 c
SPREAD COAT	Typically 5 m ² per liter
DRY FILM THICKNESS COAT	100 micron approximately
DIFFUSION COEFFICIENT	1x 10 ⁻¹¹ m ² / s
For carbon dioxide at 200 micron cover	
EQUIVQLENT AIRE THICKNESS (R)	298 equalent to
For carbon dioxide at 200 micron cover	745 mm thickness of concrete
EQUIVQLNT AIR THICKNESS (SD)	248 mm
For water vapor at 320 microns Cover	

HEALTH AND SAFETY

GP Coat Anti Carbonation Coating is nontoxic and safe to use. However if splash under the eyes coating must be immediately washed out with plenty of clean running water. Continue the water for several minuets eyelids kept open if the coating is ingested give the patient plenty of water to drink. Wear goggles mask and protective clothing while handling, spraying and applying the material .



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