



DEUCRETE CWP

(Acrylic Reinforced Cementitious Waterproof Coating)

DESCRIPTION:

DEUCRETE CWP is a two component acrylic modified cementitious coating that requires only on site mixing to form the ideal product to waterproof and resurface concrete, masonry and most other construction materials. **DEUCRETE CWP** provides an effective barrier to waterborne salts and atmospheric gases. Fluid applied **DEUCRETE CWP** provides a hard touch seamless, waterproof membrane for Roof's and foundation protection.

APPLICATION:

- Simple application by stiff brush, roller or trowel, it forms a waterproof, flexible, trafficable coating.
- To reface and even out variations in concrete surfaces
- As a waterproof lining for water retaining structures
- For coating seawater channels
- Sealing and Coating tie bar holes to ensure water tightness
- For waterproofing & protection against brackish water
- To provide foundation protection
- As a Waterproof coating for roofs
- As a backing to marble and granite to prevent water ingress and thus alleviate surface staining.
- For fixing tiles in water retaining structures
- To provide protection to concrete surfaces from carbonation and chloride attack
- For use on pedestrian walkways in marine areas.

ADVANTAGES:

- A 1 mm coating provides anti carbonation cover equivalent to over 80 cm of concrete.
- Waterproof resists upto 7 Bars (70 meter head) of pressure (The degree of resistance to water under pressure depends on the coating thickness).
- Excellent adhesion. Bonds to porous and non porous surfaces.
- Flexible
- Non toxic ideal for contact with potable water
- Trafficable pedestrian

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- Breathable – whilst repelling water, allows substrate to breathe
- High resistance to carbon-di-oxide and chloride iron diffusion

DEUCRETE CWP can be applied to 24 hour old concrete thereby giving immediate protection.

FEATURES:

DEUCRETE CWP is available in three standard concrete shades and a solar reflective grade. A colour matching service is available for special colours, based on minimum quantity orders. **DEUCRETE CWP** is composed of specially selected cement, Silica sand reactive fillers supplied in powder form together with a liquid component of blended acrylic co-polymers and wetting agent.

CHLORIDE ION DEFFUSIVITY:

DEUCRETE CWP provides an effective barrier to water borne salts such as chlorides and sulphates. Independent assessment has shown that even after 190 days constant immersion **DEUCRETE CWP** eliminate Chloride, diffusivity totally.

CHEMICAL RESISTANCE:

DEUCRETE CWP has outstanding wear and weather resistance and good chemical resistance to gasoline, diesel, oil, sodium hydroxide, calcium chloride, de-icing salts. **DEUCRETE CWP** coated surfaces exhibit good resistance to mild acids.

ANTICARBONATION COATING:

DEUCRETE CWP is an extremely effective barrier to atmospheric acidic gases which cause carbonation in concrete structures. **DEUCRETE CWP** at an applied rate of 2 Kg/m² gives an air diffusion equivalent for carbon dioxide @ of 357.5 meters. The accepted minimum value of R is 50.

DIRECTION FOR USE:

- Surface preparation: As with all coating systems, surface preparation is of prime importance. Remove all grease, oil, dust etc.
- Spelled concrete should be cut back to sound concrete and made good with suitable cementitious repair mortar. Conventional concrete curing compounds should be removed before application. Roofing tiles should be firmly bedded and grouted before application.



MIXING:

DEUCRETE CWP supplied in pre-measured units and should be mixed on site utilizing clean containers. Slowly add the powder to the liquid and mix, using a slow speed drill fitted with a suitable paddle. Mix and use. Do not mix more material than can be used in one hour.

NOTE:

Although **DEUCRETE CWP** is supplied in pre-measured packs. Part packs can be used by mixing 2 to 2.59 volumes of powder to 1 volume of liquid. Mix thoroughly and keep mixed during application. **DO NOT RETEMPER WITH WATER.**

APPLICATION:

Damp down the concrete surface with clean water. Whilst damp, but free from standing water, apply using a short, stiff bristle brush or roller. Trowel application can be undertaken as necessary. For heavy 6-10 mm depressions, honeycombs etc use less gauging liquid and mix to the desired consistency. Where more than coat is found necessary to achieve the desired thickness, apply the second or subsequent coats after the previous coat has dried.

For general resurfacing, each coat should be of minimum of 1 mm thick.

TYPICAL PROPERTIES:

Toxicity	Non Toxic
% of Elongation	>5% (Unbonded)
Water Vapour Coefficient	>3.64 X 10 ⁻ cm/sec.
Initial Surface Absorption	>95% reduction against control.
CO ₂ Diffusion Resistance	Sc> 89cm (1 mm DFT)

EFFECTIVE OF WATER PRESSURE:

DEUCRETE CWP provides a protective waterproof coating. When tested to DIN 1048. **DEUCRETE CWP** to water under pressure depends on the coating thickness. These application rates are for continuous water pressure environments.

For 3 Bar Pressure, the application rates is 4 Kg/m²

For 7 Bar Pressure, the application rates is 6 Kg/m



ADDITIONAL FINISHES:

DEUCRETE CWP provides an aesthetically pleasing surface finish and does not normally require further surface finishes.

DEUCRETE CWP is however compatible with most forms of subsequent coatings.

COVERAGE:

1.82 Kg/m²/ 1mm thickness

PACKING:

Component A (Powder) – 15.0 Kg)

} In 20 kg closed pack.

Component B (Liquid) – 5.0 Kg)

HEALTH & SAFETY:

Care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention.





DISCLAIMER:

This data is provided in the belief that is accurate within generally accepted standards and is provided for the information of qualified personnel. It does not constitute an offer by the manufacturer. Nor does the manufacturer warrant or guarantee its accuracy or completeness in describing the performance or suitability of the various product. The users therefore should make their own determination in using the product of the data contained herein for any application.

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