



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Covercrete Data Sheet

Specification notes

Product: **Covercrete**

Supplier:

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Covercrete



Nufins

Anti-Carbonation Coating for Concrete

Description

A decorative acrylic coating designed to drastically reduce the diffusion rate of carbon dioxide into concrete and to provide a highly durable, weather resistant surface which will maintain its anti-carbonation properties over many years. Covercrete has been designed to meet the requirements of EN1504 Part 2.

Colours Available

White, Flake Grey, Light Grey, Magnolia, Corn, Mushroom, Black, other British Standard colours available on request.

Advantages

- Ready to use, rapid drying formulation.
- Excellent adhesion to all surfaces.
- Damaged areas easily recoated and retreated.
- Highly economical.
- Easy to apply by brush or roller.
- A sprayable grade is also available.
- Extremely durable and weather resistant coating.
- Independently tested by Taywood Engineering.
- Conforms to EN1504 Part 2.

Technical Information

NB. Coverage will be affected by surface profile and porosity.

Coverage	6-8m ²
Dry Film Thickness (2 coats)	240µm @ 6m ² /Litre 200µm @ 8m ² /Litre
Drying Time	1-6 Hours
S.G.	1.35
pH	8.5
Total Solids	54.5%
Minimum Application Temperature	5°C
Film Tensile Strength	0.7 N/mm ²
Film Elongation	100%
Flash Point	Non-flammable

R Value	210 meters
Sc Value	520mm
Permeability to CO ₂ (EN1062-6)	>50m
Diffusion Resistance to CO ₂	1.06 x10 ⁻⁷ cm ² /s ⁻¹
Water Vapour Diffusion S _D (EN ISO 7783-1)	<5m
Capillary Absorption & Permeability to Water (EN1062-3)	<0.1 kg/m ² /H ^{0.5}
Thunder Shower Cycling (EN13687-2)	≥1.0 N/mm ²
Artificial Weathering	No visual defects

Surface Preparation

All surfaces should be clean, dry and free from oil, grease and loose materials. Water blast cleaning is preferred method of preparation and special attention should be paid to moss and lichen, these areas should be treated with *Fungicidal Wash*. Oil and grease should be removed using *Desolve*.

Priming

In the majority of cases it is advisable to apply one coat of *Stabilising Primer W.B.* onto the dry prepared surface. Do not apply the Covercrete until the primer is dry. Clean all equipment used for application of *Stabilising Primer W.B.* with water. It is permissible on sound concrete surfaces which may be damp to dispense with the *Stabilising Primer W.B.* in which case the first coat of Covercrete should be thinned with up to 5% water.

Stabilising Primer W.B.

Coverage	5-10m ² per litre
S.G.	1.01
Appearance	Milky white liquid

Application Instructions

Covercrete may be applied by brush, roller or spray onto the prepared surface. A second coat should be applied at any time after the first coat has dried. All equipment should be cleaned immediately after use with clean water. For spray application contact our technical department.

Packaging

Covercrete and Stabilising Primer W.B. are available in 5 litre units.

Storage

Shelf life of Covercrete and Stabilising Primer W.B. is 6 months when stored unopened at room temperature, protected from frost. Keep out of the reach of children.

Health & Safety

Covercrete is non-flammable and presents no hazards. Splashes should be washed from the skin with soap and water before it dries.

Stabilising Primer W.B. does not present any undue hazard, however normal standards of hygiene should be observed and any material should be washed from the skin with water before it dries.

Limitations

Do not use where concrete is to be submerged under water. Do not apply at temperatures below 5°C or in damp conditions or when rain is expected.

Technical Support

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors. Technical representatives are available to provide further information and arrange demonstrations.



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