

Nucryl

Protective Surface Treatment

Description

Formulated on a clear water white acrylic resin this solvent borne treatment has excellent weather resistance properties, providing a long lasting barrier effect against Carbon Dioxide and other aggressive agents (i.e. Sulphur Dioxide) and appreciably reducing the carbonation of old and new concrete surfaces. Nucryl provides an attractive and protective finish to a wide variety of surfaces including all cementitious surfaces, brick, cast stone, aggregate, slates and decorative plasters.

Advantages

- Treated surfaces remain relatively self cleaning.
- Highly resistant to ultra violet light and remains non-yellowing.
- Protects surface from industrial pollution, rain and frost.
- One pack system which is easily applied. Surface film "breathes" allowing the passage of water vapour.
- Protects against acid attack resulting from micro-organisms such as fungi and moss.
- Prevents the passage of Chloride Ions and other aggressive contaminants.
- Excellent adhesion.

Applications

- Protection of external concrete structures.
- Decorative treatment for exposed aggregate panels.
- Sealer for precast units including paving slabs.
- Protection of internal concrete surfaces against dirt pick-up.
- Alkali Resistant.

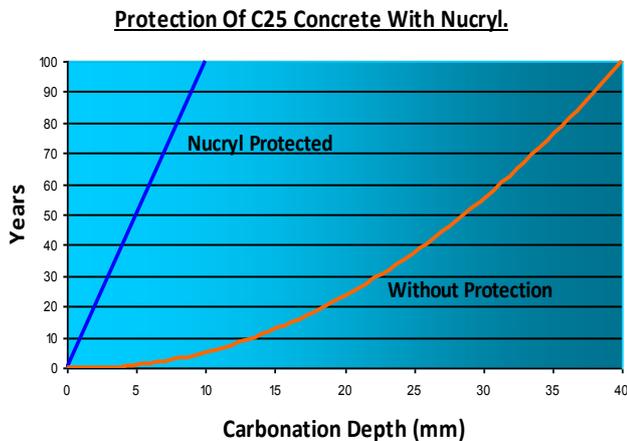
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Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA 13 0086-CPD-594215	
EN1504-2 Surface protection system for concrete Coating	
Permeability to CO ₂	S _D >50m
Permeability to Water Vapour	Class 3
Capillary Absorption and Permeability to Water	<0.1kg/m ² /hr ^{0.5}
Adhesive bond strength	≥0.8 MPa

Coverage	5 - 10 m ² per litre *
Drying Time	90 minutes @ 20°C
Flash Point	43°C
Specific Gravity	0.925
Adhesion	>1.5 MPa
Moisture Vapour Transmission Rate	6.7 mg Water/24 Hrs/m ²
CO ₂ Diffusion	
Equivalent Air Layer Thickness	394 Metres (R Value)
Equivalent Concrete Thickness	1.0 Metres (Sc Value)

(*Coverage dependant on surface profile and porosity).



The graph below shows the benefits of Nucryl as a protective coating against carbonation over the life time of a structure



Surface Preparation

1. All surfaces should be clean and visibly dry. Areas covered with moss, lichen or industrial pollution should be water blasted and allowed to dry.
2. Areas with oil and grease contamination should be treated with *Desolve*.
3. All new concrete or cementitious surfaces should be allowed to cure for 28 days prior to coating.

Application Instructions

1. Nucryl is supplied ready for use.
2. Nucryl can be applied by brush, roller or spray.
3. Apply a second coating anytime after the first coat is dry.
4. The normal application of Nucryl is a two coat application.
5. Protect coating against rain or frost for at least 3 hours after each application.
6. All equipment should be well cleaned with *Nuwash*.

Packaging

Nucryl is supplied in 5 litre containers.

Health & Safety

Product Safety Data Sheets (SDS) are available from Nufins. SDS sheets are provided to help customers satisfy their safe handling, use and disposal needs as well as assist with any conformance requirements made locally by health and safety regulations.

SDS are continually updated to provide the latest information to our customers. We therefore recommend contacting our head office to obtain the most recent and accurate SDS before handling and using any product.

Storage

Nucryl should be stored at normal temperature and out of the reach of children.

Technical Support

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

