



CONSTRUCTION ACCESSORIES

NUCRYL DATASHEET

ESSENTIAL COMPONENTS FOR EVERY STAGE OF CONSTRUCTION



Nucryl

Clear Anti-Carbonation & Protective Coating for Walls & Soffits

Description

Formulated on a clear, colourless acrylic resin, this solvent borne surface treatment has excellent weather resistance properties, providing a long lasting barrier effect against carbon dioxide and other aggressive agents (i.e. sulphur dioxide) and therefore, greatly reducing the carbonation of old and new concrete surfaces. Nucryl meets the requirements of EN 1504 Part 2.


Nucryl provides a protective finish to a wide variety of surfaces including all cementitious surfaces, brick, cast stone, aggregate, slates and decorative plasters.

Advantages

- Single component system, easily applied
- Excellent adhesion to many substrate types
- Treated surfaces remain relatively self cleaning
- Highly resistant to UV & remains non-yellowing
- Protects against acid attack resulting from micro-organisms such as fungi & moss
- Alkali Resistant
- Protects surface from industrial pollution, rain & frost
- Surface film breathes, allowing passage of water vapour
- Prevents passage of Chloride Ions & aggressive contaminants

Applications

- Protection of internal concrete surfaces against dirt pick-up
- Protection of external concrete structures
- Industrial, commercial & residential buildings
- Leisure & amenity properties
- Retail, car parks & sports stadia
- Sealer for precast units including paving slabs

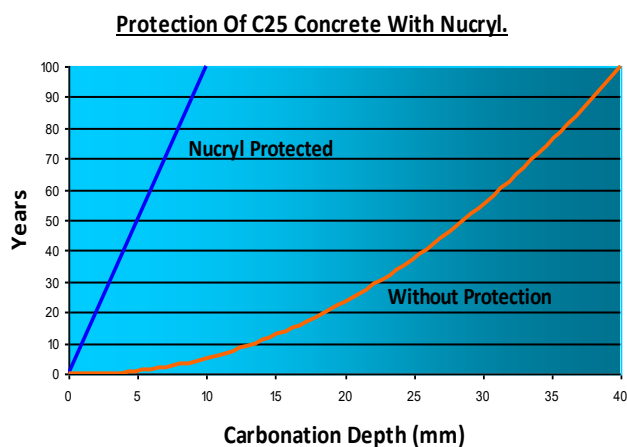
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Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA 13 0086-CPD-594215	
EN1504-2 Surface protection system Coating	
Permeability to CO ₂	S _D >50 m
Permeability to water vapour	Class 3
Capillary absorption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

Coverage*	6m 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 h/m ²
CO ₂ diffusion	
Equivalent air layer thickness	394m (R Value)
Equivalent concrete thickness	1m (Sc Value) @ 88 µm (applied in 2 coats @ 5m ² /litre)

*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

All surfaces should be clean, sound and visibly dry.

Areas covered with moss, lichen, industrial pollution and dirt should be water-blasted and allowed to dry.

Oil, grease and other surface contaminants must be removed.

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. Apply by brush, roller or spray equipment.
3. Nucryl is a two coat system.
4. A second coat is applied once the first coat is dry.
5. Protect each application from rain or frost for at least 3 hours.
6. All equipment should be well cleaned with Nuwash.

Packaging

Nucryl is available in 5 litre drums.

Nuwash is available in 5 & 20 litre drums.

Storage

The shelf life is 12 months when stored unopened in dry, normal conditions and away from direct sunlight. Protect from frost.

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 performance 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.

Limitations

Nucryl may affect the appearance of concrete.

Applications should only be made when the temperature is at least 3°C above the dew point.

Do not apply at temperatures below 5°C or if rain is expected. Maximum application temperature is 30°C.

Disclaimer

The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. The user will be deemed to have satisfied themselves independently as to the suitability of our products for their own particular purpose. In no event shall Nufins be liable for consequential or incidental damages.

Users must always refer to the most recent issue of the Technical Datasheets, copies of which will be supplied on request.

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.



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