

## Nucryl

### Protective Surface Treatment

#### Description


Formulated on a clear, colourless 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 a 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
- Sealer for precast units including paving slabs
- Protection of internal concrete surfaces against dirt pick-up
- Alkali Resistant

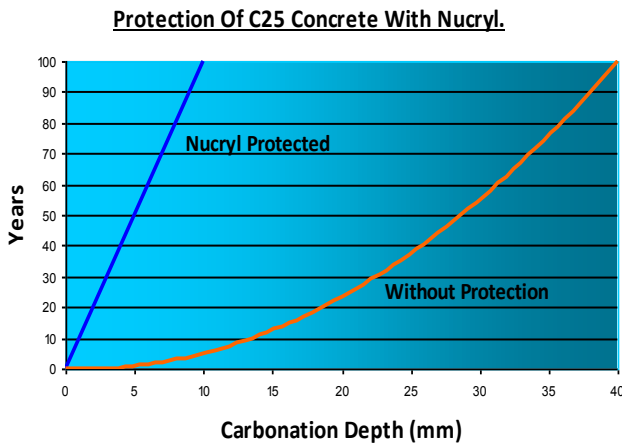
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Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA 13 0086-CPD-594215	
EN1504-2 Surface protection system for concrete Coating	
Permeability to CO <sub>2</sub>	S <sub>D</sub> >50m
Permeability to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

Coverage	5 - 10 m <sup>2</sup> 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 <sup>2</sup>
CO <sub>2</sub> 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 once the first coat is dry
4. Nucryl is a two coat system
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.

## 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 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.

## 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.