

HydroCoat 905-CM

Water - Based Curing Compound

Rev 3.4 - 12 January 2023

Code: 905-CM

INTRODUCTION

Newton HydroCoat 905-CM is a specially formulated, water-based curing compound utilising advanced acrylic copolymers, that ensures the correct curing of concrete and cement based mortars and coatings.

Sprayed directly over the freshly placed concrete, mortar or coating, HydroCoat 905-CM inhibits the effects of the drying sun and wind to ensure full cement hydration. The product should be used to correctly cure the [HydroCoat 103-2K](#) and [HydroCoat 107 Elastic 2K](#) cement/acrylic waterproofing membranes, and the [HydroCoat 203-RM](#) high-strength repair mortar whenever there is a risk of accelerated drying. In fact, HydroCoat 905-CM should be considered a requirement when applying these products during the warmer months.

APPLICATION



PACKAGING



Single component within one container

COVERAGE RATE



KEY BENEFITS

- Ready-mixed and ready to apply
- A convenient and straightforward alternative to traditional curing aids such as polythene sheeting, damp hessian or sand
- A stable product that does not significantly alter the appearance of mortar/concrete
- Retains over 85% of the water within the product during the first 72 hours
- Water-based and safe for use in confined areas
- Enhances adhesion when over coated with Newton specialist coatings

TYPICAL APPLICATIONS

To prevent accelerated drying and so ensure correct curing of:

- Concrete
- Newton cement-based repair mortars, coatings and waterproofing membranes

METHOD OF APPLICATION

Pressure spray.

SUITABLE SUBSTRATE

- Concrete
- Cement-based repair mortars
- Cement-based coatings and waterproofing membranes

LIFE EXPECTANCY

Life expectancy is equal to that of the product it is applied to.



NEWTON HYDROCOAT 905-CM

Water-Based Curing Compound

TECHNICAL DATA

Features	Result	Units
Form – Single component	Low viscosity liquid	
Colour	White	
Specific Gravity @ 20°C	1.03	
Pack size (plastic container)	5	Litres
Weight	5.3	kg
Application rate	0.15 to 0.17	litres/m ²
Coverage per 5 litre container	30-35	m ²
Shelf life	12	Months
Pot life	N/A	
Application temperature	+5 to +35	°C
Service temperature	As product applied to	°C
Odour	Slight neutral odour	
VOC content	0	%

SPECIFICATION

Newton Waterproofing Systems work in partnership with RIBA NBS who publish our products on [NBS Source](#). The platform integrates seamlessly into project workflows, providing all product data from Newton's NBS BIM Objects, NBS Plus Clauses and RIBA Product Selector into one single source of product information.

NBS Source also hosts a large selection of Newton [case studies](#), as well as product [literature and certifications](#).

A wide range of drawings are available [on our website](#).

ANCILLARY PRODUCTS

There are no ancillary products.

TRAINING AND COMPETENCY OF THE USER

HydroCoat 905-CM should be applied by those who placed the concrete, mortar or coatings that the product is applied to.

PACKAGING

5 litre container.

APPLICATION RATE

0.15 to 0.17 litres/m².

COVERAGE

30-35 m² per 5 litre pack.

SURFACE PREPARATION

No preparation is required.

APPLICATION

HydroCoat 905-CM should be spray applied to the surface of newly placed concrete, as well as Newton's cement-based [liquid waterproofing membranes](#), and [repair mortars](#).

Application should take place as soon as practicable after final finishing, and once any residual surface water from trowelling has evaporated, but generally within 15 minutes.

Apply using a conventional pressure spray with a fine nozzle at 0.15-0.17 litres per m² (6-7m²/litre), taking care to ensure complete and even application. Best results are achieved by holding the nozzle approximately 0.5 to 1m from the surface, whilst spraying backwards and forwards over small measurable sections (1-5m²).

For maximum curing efficiency, if the surface is subject to strong sunlight or drying winds, a second coat should be applied as above, once the first coat has dried and the membrane film has formed. This waiting time is generally 15 minutes, whilst the first coat is still tacky, depending upon climatic conditions.

POT LIFE & FURTHER USE

HydroCoat 905-CM is a single-component product with no chemical curing reaction, therefore the product is reusable if the lid is correctly fitted and the product is stored as confirmed on page 3. In these conditions, the product should be used within three months.

There is no practical pot life.

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CLEANING

All tools should be cleaned with water immediately after use. Wash through the pressure spray device with clean water.

OVER-COATING

Surfaces treated with HydroCoat 905-CM must be cured for a minimum of 72 hours before over-coating.

LIMITATIONS

- Do not apply at temperatures lower than +5°C or higher than +35°C
- Do not apply during rainfall or if rain is expected

COLOUR

White.

STORAGE AND SHELF LIFE

Store the product in dry, frost-free conditions in the original sealed containers, and protect from high temperatures (40°C+). In these conditions a shelf life of 12 months can be expected.

HEALTH & SAFETY

Use appropriate PPE for the environment the system is installed within. Use products only as stated within this Data Sheet and SDS.

Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](#) for the latest versions.