

# HydroCoat 1 System

Pre-Bagged, One-Coat Waterproofing System

Version: 1.0 - 18<sup>th</sup> June 2024  
Code: HC1

## INTRODUCTION

The HydroCoat 1 System is a complete, one-coat waterproofing system comprising of pre-bagged render and screed that provides a fully waterproof coating, defined as Type A by BS 8102:2022. Suitable for new and existing structures, the Newton HydroCoat 1 system is designed to stop water ingress to basement structures and to prevent leaks from water retaining structures. The system comprises of [HydroCoat 1 Render](#) and [HydroCoat 1 Screed 2K](#).

HydroCoat 1 Render is a pre-bagged material for vertical and overhead application, which only requires the addition of clean water to give you an easily trowellable mortar in one coat at a range of thicknesses.

HydroCoat 1 Screed 2K is a rapid-setting, two-part epoxy and polymer modified cementitious screed for levelling and waterproofing concrete substrates. It exhibits a degree of flow to enable ease of application by pouring or pumping techniques to give an even finish with a slightly dimpled texture.

## PACKAGING

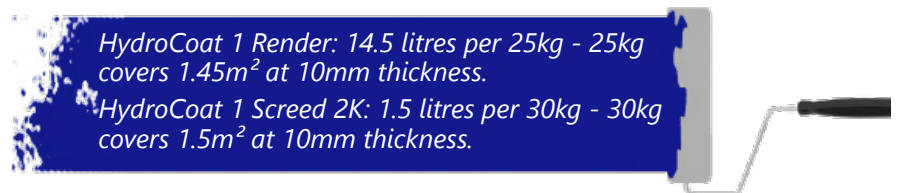


HYDROCOAT 1  
RENDER



HYDROCOAT 1  
SCREED 2K

## COVERAGE



## SYSTEM

HydroCoat 1 System is a systems and requires both system products to be used:

### WALLS

- HydroCoat 1 Render: a one-coat application applied in 1 x 10 mm coating

### FLOORS

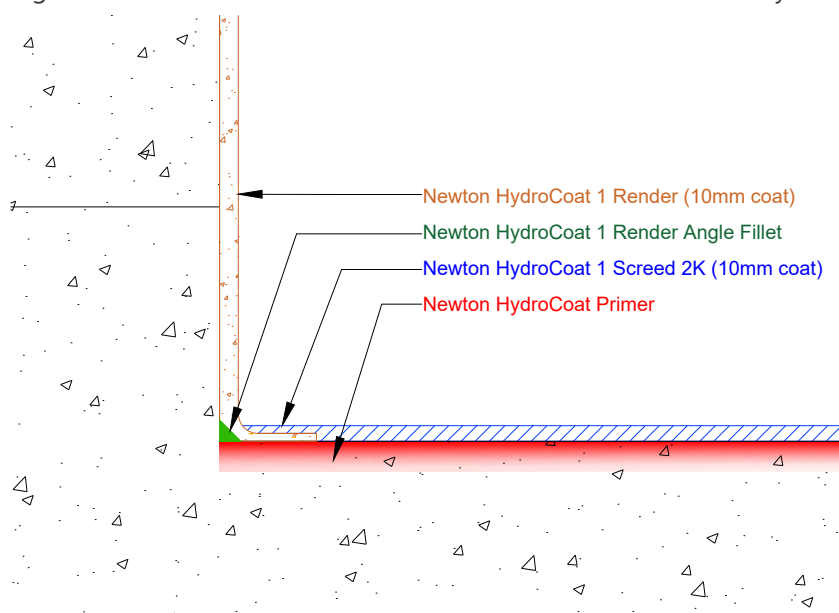
- HydroCoat 1 Screed 2K: a one-coat application applied in 1 x 10 mm coating

Note: The above are the recommended application thicknesses but may vary depending on substrate quality, requirements and conditions.

## REFERENCE DOCUMENTS

Please do not attempt design or application of the Newton HydroCoat 1 System unless the following documents have been read in full by the waterproofing designer and site installation team and are available for reference by the site team on the day of installation:

- [HydroCoat 1 Render](#)
- [HydroCoat 1 Screed 2K](#)



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## Pre-Bagged, One-Coat Waterproofing System

### ACCREDITATIONS & APPROVALS

HydroCoat 1 System is CE marked to confirm performance to the requirements of BS EN 998-1: 2010.

### SUSTAINABILITY

The Newton HydroCoat 1 System is manufactured in the UK using sustainable, zero-emissions manufacturing processes to produce a water-based product with ultra-low VOC levels and minimal odour that meets the most stringent environmental objectives. The HydroCoat 1 Screed 2K can be applied in enclosed environments with absolutely no disruption to other trades, and daily routines can continue as normal to keep downtime to an absolute minimum.

The zero-emissions production facility is powered by renewable energy and makes extensive use of harvested rainwater, ensuring that the long-term environmental impact is minimised.

### TYPICAL APPLICATIONS

- Basements
- Warehouses
- Earth retaining structures
- Car parks
- Water holding vessels and tanks
- Dams
- Swimming pools
- Manholes
- Culverts
- Tunnels

### KEY BENEFITS

- Fully bonded Type A waterproofing system as defined within BS 8102:2022
- Pre-packaged products that are easily mixed on site
- 7 bar waterproofing performance when holding or resisting water pressure
- Can be applied to damp or saturated substrates
- Applications to walls, floors and soffits
- Suitable for use on concrete, brick and structural blockwork
- Used in positive and negative water pressure situations
- Rapid hardening, hydrating to give high early strength with low moisture and minimal overcoat times
- One-coat application reduces site attendance days
- Can be trafficked in 4 hours

### LIFE EXPECTANCY

Because the high bond strength exceeds the tensile strength of the substrate, ensuring monolithic performance, life expectancy is equal to the substrate the product is applied to.

### ANCILLARY PRODUCTS

- Substrate repair: [Newton HydroCoat 203-RM](#)
- Active leak sealing: [Newton HydroCoat 313-WP](#)
- Priming: [Newton HydroCoat Primer](#)
- Curing: [Newton HydroCoat Curing Membrane](#)

### TRAINING & COMPETENCY OF USER

HydroCoat 1 System should be used by those with an understanding of the requirement to waterproof retained structures and the knowledge and training to use the product as part of a coordinated approach to the waterproofing of the structure, which in most cases will require further waterproofing products so as to achieve the required habitable grade as defined by BS 8102:2022.