

RIW HYDROCOAT

Hydrocoat is a cold applied, fast drying, two coat black bitumen coating, which dries to form a water and a water vapour barrier.

BENEFITS

- | Rapidly resistant to rain after application
- | Cold applied
- | No stirring required
- | Minor damage is self healing
- | Easily applied by brush, roller or spray
- | Fast drying

APPLICATIONS

- | Bridge abutments
- | Retaining walls
- | Culverts
- | Subways
- | Reservoirs

APPLIED TO

- | Concrete
- | Masonry
- | Steel

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TYPICAL USES

Hydrocoat is used in the Civil Engineering Industry as a barrier against water and water vapour. Typical uses include the protection of iron and steel against corrosion and concrete structures against ground water.

The product is also used as a 'high build' bitumen coating onto steelwork in cavities etc.

Hydrocoat conforms to the following British Standard:

BS6949: 1991 Specification for Bitumen-Based Coatings for Cold Application, excluding use in contact with potable water, Type 1, Class A.

Hydrocoat meets the requirements of the Highway Works Specification as a 'Cut-back Bitumen' (2004.3).

APPLICATION

PREPARATION

All Surfaces: Should be smooth, clean, dry, sound and free from frost, oil, grease, condensation and other contamination. Internal corners should be eased with a sand/cement fillet approximately 20mm high to assist application, similarly, external corners should be chamfered or rounded where required. Hydrocoat may be applied to 'green' concrete, but see also notes on compatibilities. Where water is to be stored or retained, any pores, loose joints or voids should be made good to a flush finish with a suitable filler prior to application.

GENERAL

Application of Hydrocoat should not be attempted in temperatures below 5°C. Hydrocoat should be applied as supplied. It may however be necessary to thin the product with up to 10% white spirit if it has been stored for a long period. Hydrocoat should be applied in two coats at a minimum application rate of 6m²/litre per coat.

Manual: Hydrocoat can be applied by using a stiff brush or lambswood roller. Where possible the second coat should be applied at right angles to the first.

Spray: For further information and details of Specialist Applicators, please consult the Technical Department.

PERFORMANCE & COMPOSITION

Form	Bitumen solution
Specific Gravity	0.92g/ml
Solids content	60% (w/w)
Flash point	39°C
Coverage*	6m ² /litre/coat
Number of coats	Two
DFT of coating	250 microns for two coats
Overcoating time	2-4 hours @ 20°C
Drying time	2-4 hours @ 20°C

The above performance figures are typical values and should not be considered a product specification.
*Figures quoted are theoretical coverage rates. Actual coverage may vary depending on nature of substrate.

COMPATIBILITIES

Curing membranes: Hydrocoat may be applied directly onto silicate based curing membranes. Resin based curing membranes must be allowed to complete their weathering process or be removed by suitable mechanical means.

Waterstops: Hydrocoat is suitable for use in direct contact with PVC or rubber type water bars.

SAFETY

Hydrocoat is flammable and should be used in well-ventilated areas away from sources of ignition. The product can affect sensitive skins. Gloves or barrier cream should always be used by operatives and hands thoroughly washed at the end of each working period.

Do not allow the product to enter watercourses.

Full health and safety instructions are contained on the product material safety data sheets, and these must be referred to before use.

SUPPLY

AVAILABILITY

All RIW products can be obtained through Builders Merchants or approved stockists. A list of approved stockists is available from RIW offices.

PACKAGING

25 and 205 litre containers

STORAGE

Keep container tightly closed. Keep in cool, dry, well ventilated area. Store in correctly labelled containers. Prolonged storage (in excess of 12 months) may result in some loss of solvents, causing an increase in viscosity. The material may be stored in severe winter environments without any detrimental effect.

TECHNICAL SERVICES

The Technical Department is available to advise on individual projects and to prepare or assist in the preparation of specifications and drawings. A list of experienced applicators of our materials is available from RIW's offices.

The information in this literature was correct at the time of going to press. However, we are committed to continually improving our products and reserve the right to change product specifications.

For the latest information, please consult RIW. Conditions of use are beyond our control, therefore we cannot warrant the results to be obtained.

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