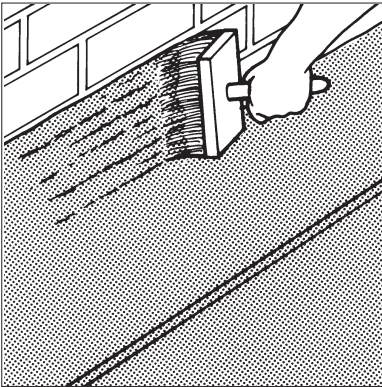


Product



- THIS DETAIL SHEET RELATES TO HYDRADRY, A CEMENTITIOUS WATERPROOFING COMPOUND.
- HydraDRY is applied by brush and/or trowel, and is used in conjunction with a Wykamol dpc system, to waterproof areas below the level of the installed dpc system.

This Detail Sheet must be read in conjunction with the Front Sheets, which give the products' position regarding the Building Regulations, general information relating to the product, and the Conditions of Certification, respectively.

Technical Specification

1 Description

1.1 HydraDRY is a cementitious compound containing cement, graded sands and chemical additives. It is mixed with water on site and applied as a slurry.

1.2 The product is produced by a continuous batch blending process and quality control checks are carried out on the raw materials, and on the finished product.

2 Delivery and site handling

2.1 The product is supplied in 25 kg polypropylene hessian sacks. Each container carries a label bearing the product name, company address and gross weight.

2.2 The product is cement-based and must be stored in dry conditions.

Design Data

3 General

HydraDRY is satisfactory for use in conjunction with a Wykamol dpc system, as internal waterproofing for areas of brickwork, blockwork or stone below the level of the installed dpc.

4 Durability

When it is protected from damage (as described in clause 6.7 of this Detail Sheet) the product will provide an effective barrier against the transmission of liquid water for the life of the dpc with which it is installed.

Installation

5 General

5.1 HydraDRY is applied to brickwork, blockwork or stone walls (with a sand-cement or sand-lime-cement mortar).

5.2 All joints must be flush pointed, defects made good, and irregular surfaces must be given a trowelled or floated finish with a 3:1 sand-cement mix.

5.3 All surfaces must be free from existing coatings or contamination (eg, paint, laitance, dirt).

5.4 If the surface is dry, it should be thoroughly wetted but free from surface water prior to HydraDry being applied.

6 Procedure

6.1 HydraDRY is applied at temperatures of 5°C and above.

6.2 The product is mixed with potable water in clean containers in the ratio 6.5–7 litres : 25 kg to form a slurry. Care must be taken to avoid the formation of lumps.

6.3 The product is applied to the substrate in at least two coats, to achieve a minimum thickness of 2 mm (4 kgm⁻²).

6.4 The first coat of HydraDRY is applied by brush and vigorously worked into the surface. Application should be conducted so that a flowing edge is maintained. If this is not possible, when application is continued the previously applied coat should be overlapped by at least 250 mm. The second coat (and subsequent coats) may be applied by brush or trowel, either after the previous coat's initial set (in

normal circumstances, after a minimum period of three hours) or after the previous coat has hardened fully.

6.5 Each coat is examined for damage or areas of incomplete coverage before the next coat is applied.

6.6 Mixed HydraDRY should be used within 30 minutes.

6.7 Once the final coating has hardened fully, a coat of plaster is applied to protect it from damage in service. Wykamol Renovating Plaster is recommended, as this will reduce the risk of condensation on the surface. Alternatively, any of the sand-cement or sand-lime-cement replastering specifications described in Detail Sheet 7 are suitable. Under no circumstances should gypsum-based products be used in direct contact with HydraDRY.

Technical Investigations

The following is a summary of the technical investigations carried out on HydraDRY cementitious waterproofing compound.

7 Tests and investigations

7.1 Tests were conducted to determine the resistance to water pressure, applied through the substrate to a HydraDRY coating on mortar and flush-pointed brickwork.

7.2 A visit was made to a site in progress to assess the practicability of installation.

7.3 A survey of known users was conducted to assess the performance of the product in use which was reported.



On behalf of the British Board of Agrément

Date of issue: 4th December 2002

A handwritten signature in black ink, appearing to read 'P. C. Newson'.

Chief Executive