TECHNICAL DATA SHEET

HYDROREND

High Performance Waterproof Render



PREMCRETE

HYDROREND





TYPE A
WATERPROOF RENDER

WATER RESISTANT

UK CA
UK CONFORMITY

25 YEARS
PRODUCT WARRANTY

DESCRIPTION

HYDROREND is a single component polymer enhanced fibre reinforced render mortar. It is suitable for the application to concrete and masonry backgrounds to provide a fairfaced render which will effectively resist both negative and positive orientation hydrostatic water pressure. It´s unique formulation ensures that the mortar will resist up to 10 bar water pressure.

USES

HYDROREND is suitable for the rendering and profiling of concrete and masonry in both vertical, horizontal and overhead situations. It is suitable for use as an effective barrier to water ingress on substructures such as basements, tunnels, culverts and other underground structures. It is particularly suitable where there is a requirement for a high build render or where the condition of the substrate precludes the use of a waterproof coating.

ADVANTAGES

- Can be applied by hand or using spray techniques.
- Excellent adhesion to concrete and masonry.
- Excellent resistance to water under hydrostatic pressure.
- Microfiber reinforced to reduce shrinkage cracking.
- Primerless application.
- Maybe built up in thick sections on vertical and overhead substrates.

HYDROREND

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Colours	N/A	Cement grey
Pot life @ 20°C	N/A	30 minutes
Application temperature	N/A	8°C to 30°C
Compressive Strength @ 20°C	N/A	1 day: 8 MPa 7 days: 20 MPa 28 days: 32 MPa
Flexural Strength	BS4551	8.5 MPa
Wet density	N/A	1920 Kg/M3
Application thickness	N/A	5 to 50mm

INSTALLATION PROCEDURE

Surface Preparation

The perimeter of the repair should be saw cut to a depth of 10mm and all loose and damaged concrete should be carefully removed back to sound substrate. Any steel reinforcement within the area should be fully exposed around the full circumference of the bar. Exposed steel reinforcement should be cleaned back to bright steel, by means of grinding or grit blasting. Any surface contaminant should be removed by suitable means to ensure a good quality, clean substrate that has a compressive strength in excess of 20 MPa.

Priming

Typically substrates do not require the use of a separate substrate primer. The substrate should just be fully saturated with water, taking special care to ensure no standing water is present before application of the mortar. Particularly porous substrates may require the use of TEKNOPRIME 842. Exposed steel reinforcement should be primed using TEKNOPRIME 841.

Mixing

HYDROREND should be mixed using a forced action paddle mixer approximately 2.5ltr of water should be mixed with one 25Kg bag to achieve the desired consistency. The mortar should typically be mixed for 3mins.

Curing

Once the application of the HYDROREND has completed, the mortar should be cured using CURE AID AC which is spray applied to the freshly placed mortar. Take special care to ensure that the mortar is protected from direct sunlight and wind which may result in premature drying of the mortar.

Equipment Cleaning

Tools and equipment should be cleaned immediately using water.

HYDROREND

PACKAGING & COVERAGE

Pack size

25kg bag

Yield

14.4ltr per 25kg pack.

Coverage

1 pack will cover approximately 1.4m2 at 10mm thickness.



STORAGE & SHELF LIFE

HYDROREND should be stored in clean dry conditions at temperatures between 10°C and 30°C.

HEALTH & SAFETY

See separate Material Safety Data Sheet.

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