



Sovereign Hey'di CWP Crystalline Waterproofing



A cementitious waterproof system which creates a monolithic bond of the crystalline chemicals when applied in above and below ground situations

Product Code
30618040

Description

Sovereign Hey'di CWP is a cementitious waterproof slurry that contains crystalline chemicals within it which combine with the moisture in the pores of the concrete substrate to form a permanent waterproofing layer.

Sovereign Hey'di CWP may be applied on both positive and negative water pressure situations to concrete walls and slabs. Typical uses include the waterproofing concrete retaining structures, foundations, basements, cellars and swimming pools etc.

Features

Colour Range:	Grey
Pack Sizes:	20 kg
Pot life at 20°C:	>30mins
Contains:	Blend of cement and specialist additives
Flexural Strength:	7N/mm ²
Compressive Strength:	30N/mm ²
Hardened Density:	1850kg/m ³
Adhesion to Universal Mortar:	>0.8N/mm ²
Resistance to water pressure:	>7 Bar
Reaction to fire:	EUROCLASS F



Sovereign Hey'di CWP Crystalline Waterproofing

Technical
Data Sheet **362**

SUBSTRATE PREPARATION

All active water leaks must be stopped using Sovereign Hey'di Powder X before continuing to the next stage of application.

Uneven surfaces

Remove by suitable means, all loose pointing, any remaining render or plaster, wood, dust, grease oil, organic growth or other foreign materials that may cause contamination or adversely affect adhesion properties. To create a level surface, Sovereign Ready Render should be applied in line with the relevant data sheet.

Level surfaces

If there is any exposed steel present, apply two coats of suitable corrosion inhibitor to the exposed steel, by brush. Remove all loose material and surface latencies. The strength of the concrete subbase must be a minimum of 25N/mm².

Note: Special precautions may be necessary to ensure a continuous waterproof barrier at the wall to floor joints and corner joints. This is to avoid sharp changes of angle in the tanking membrane. The joints should be thoroughly raked out and cleaned prior to an application of Sovereign Hey'di Barrier Mortar as a fillet seal.

Priming

- ✓ Using a brush, roller or spray, apply Hey'di Bonding Agent, mixed 1:1 (by volume) with water.
- ✓ Allow to become tacky to the touch. This will take approximately 30 minutes, dependent upon ambient conditions. If dry then re-apply.

MIXING

Sovereign Hey'di CWP's consistency can be varied to suit the application method.

Required water additions:

Pack Size	Brush Applied	Trowel Applied	Spray Applied
20 kg	3.2-4 litre	3.2-3.6 litre	3.5-4.2 litre

When mixing Sovereign Hey'di CWP use only clean water, a clean mixing vessel and a mechanical mixer.

1. Pour minimum required addition of clean water in to the mixing vessel.
2. Using an electric paddle, gradually start to add the powder whilst mixing under low shear to reduce dust generation.
3. Add all powder and increase mixing shear.
4. Mix for approximately 1-3 minutes to achieve a uniform, lump free slurry.
5. If necessary, gradually add water and mix until desired consistency is achieved. Do not exceed maximum required water additions as this will result in the product becoming ineffective as a waterproof barrier.

Note: Excessive mechanical mixing should be avoided. Mechanical mixing time must not exceed 5 minutes.

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Technical
Data Sheet **362**

APPLICATION

Sovereign Hey'di CWP is a minimum 2 coat application, with each layer applied at a uniform thickness of at least 1mm per coat.

Brush and trowel applied

Apply in even layers using a stiff bristled brush or broom/trowel on vertical surfaces and a rubber squeegee or stiff bristled brush/trowel for horizontal surfaces.

It is essential the first coat is well brushed or troweled into the surface to ensure a good bond with the substrate. Allow the first coat to harden (approx. 2-5 hours)

Apply a second coat of Sovereign Hey'di CWP as soon as the first coat has hardened, but not fully set. Apply the second coat at 90o angle to the first, ensuring a minimum overall thickness of 2mm.

Spray applied

Use traditional wet mortar spraying equipment and processes, ensuring final coat provides a uniform thickness of at least 2mm.

The product should not be applied in temperatures under 5°C and falling, or if temperatures are expected to fall below 5°C within 24 hours.

Ensure the substrate temperature is not below 50C before commencing application. Avoid application in direct sunlight to prevent rapid drying out. If Sovereign Hey'di CWP dries out too rapidly between coats, repeat priming process.

When applying to environments that will contain aquatic life, such as ponds, always finish with Sovereign Liquid DPM and Gas Barrier.

Note: Gypsum plaster must not be used in direct contact with Sovereign Hey'di CWP.

CURING AND VENTILATION

Curing procedures should be strictly adhered to. It is important that the surface of the slurry is protected from strong sunlight and drying winds, with either a suitable curing compound, polythene sheeting, damp hessian or similar, for a minimum of 48 hours.

If Sovereign Hey'di CWP will be left unprotected, fine mist spray the surface 3-4 times daily, for a minimum of 48 hours.

OVERCOATING AND FINISHING

Sovereign Hey'di CWP is suitable for overcoating once correctly and thoroughly cured. Plaster should take place using Renderlite Renovation Plaster, ideally 48 hours after the final coat of Sovereign Hey'di CWP has been applied.

Repeat priming process as detailed in the substrate preparation section, prior to an application of Renderlite Renovating Plaster.

If Sovereign Hey'di CWP has been applied as a DPC, breathable paint must be used on top of any finish. If redecoration is to occur 12 months after the DPC installation, non-breathable finishes may be considered. However, the moisture content of the plaster and background must be in line with the recommendations of the supplier of the chosen finish.

COVERAGE

Up to 7m²

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Technical
Data Sheet **362**

Storage: Store in an upright position, under cover and away from high temperatures and open flames between 5°C – 30°C.

Shelf Life: 6 months from date of manufacturer, when unopened, undamaged and stored correctly.

HEALTH AND SAFETY

- ! H315: Causes skin irritation.
- ! H317: May cause an allergic skin reaction.
- ! H318: Causes serious eye damage.
- ! H335: May cause respiratory irritation.
- ! Wear protective gloves/protective clothing/eye protection/face protection.
- ! IF ON SKIN: Wash with plenty of water.
- ! IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- ! IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- ! Immediately call a **POISON CENTRE** or doctor.
- ! Take off contaminated clothing and wash it before reuse.



Health & safety information
available on request



Important Disclaimer

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