



Technical Datasheet

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HYDRADRY TANKING SLURRY

HydraDry Tanking Slurry is a cementitious waterproofing system which creates a monolithic bond using crystalline chemicals when applied to concrete and masonry structures. When mixed with clean water and applied correctly, this forms a permanent waterproof coating to the substrate and is easily applied by brush, trowel or spray.

HydraDry Tanking Slurry waterproofs against both positive and negative hydrostatic heads of water, and is suitable for use internally, externally, above and below ground.

HydraDry Tanking Slurry is also ideal for use as part of a damp-proofing course (DPC).

NOTE: When applying HydraDry Tanking Slurry to a structure housing aquatic life, overcoating with Wykamol Technoseal DPM in line with the relevant data sheet is necessary, which is available upon request or can be downloaded from our website.

Properties

Technical Data	
Colour	Grey
Pot Life at 20°C	> 30 mins
Flexural Strength (28 days)*	7 N/mm ²
Compressive Strength (28 days)*	30 N/mm ²
Hardened Density (28 days)*	1850 kg/m ²
Adhesion to Universal Mortar	≥ 0.8 N/mm ²
Resistance to Water Pressure	≥ 7 Bar
Reaction to Fire	EUROCLASS F

TYPICAL USES

- > Waterproofing of:
Basements, cellars, foundations, swimming pools, concrete, renders, brickwork, block work structures, pile head sealers, lining water tanks, pools planters.
- > As part of a damp-proofing course

ADVANTAGES

- > Permanent waterproofing for concrete & masonry
- > Resists positive & negative water pressure
- > Superior bond strength due to crystalline technology
- > Prevents migration of hygroscopic salts
- > Suitable for use above & below ground
- > Suitable for internal & external use
- > Safe to use in contact with potable water (WRAS approved)
- > Can be brush, trowel or spray applied

HydraDry Tanking Slurry

Substrate Preparation

All active water leaks must be stopped using Waterstop (rapid setting plugging compound) 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, Universal Mortar should be applied in line with the relevant data sheet, which is available upon request or can be downloaded from our website.

Follow the Universal Mortar priming requirements before application.

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, i.e. dust, oil, grease, corrosion and organic growth, preferably by using wet grit or water blasting techniques. The strength of the concrete subbase must be a minimum of 25 N/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 Universal Mortar as a fillet seal.

Priming:

- > Using a brush, roller or spray, apply NO MORE DAMP SBR Latex, mixed 1:1 (by volume) with water.
- > Allow to become tacky to the touch. This will take approx. 30 mins to 2 hours.



Mixing

HydraDry Tanking Slurry's consistency can be varied to suit the application method.

Required water additions:

Pack Size	Brush Applied	Trowel Applied	Spray Applied
20 kg	4.8 - 5.6 Litre	3.7 - 4.5 Litre	4.2 - 5 Litre

When mixing HydraDry Tanking Slurry, 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 approx. 1 - 3 mins 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.

Application

HydraDry Tanking Slurry is a minimum 2 coat application, with each layer applied at a uniform thickness of at least 1 mm 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 trowelled 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 HydraDry Tanking Slurry as soon as the first coat has hardened, but not fully set. Apply the second coat at 90° angle to the first, ensuring a minimum overall thickness of 2 mm.

Spray applied:

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

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Application Conditions & Limitations

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 5°C before commencing application.

Avoid application in direct sunlight to prevent rapid drying out. If HydraDry Tanking Slurry dries out too rapidly between coats, repeat priming process.

When applying to environments that will contain aquatic life, such as ponds, always finish with Wykamol Technoseal DPM, and refer to the relevant data sheet, which is available upon request or can be downloaded from our website, for application instructions.

Note: Gypsum plaster must not be used in direct contact with HydraDry Tanking Slurry.

Curing & 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 HydraDry Tanking Slurry will be left unprotected, fine mist spray the surface 3 - 4 times daily, for a minimum of 48 hours.

Overcoating & Finishing

Note: Wykamol's HydraDry Tanking Slurry must not be punctured by wall fixings, e.g. dry lining work etc.

HydraDry Tanking Slurry is suitable for overcoating once correctly and thoroughly cured. Plaster should take place using Wykamol's Renovation Plaster, ideally 48 hours after the final coat of HydraDry has been applied.

Repeat priming process as detailed in the substrate preparation section, prior to an application of Renovation Plaster. Refer to relevant data sheet for application instructions, which is available upon request or can be downloaded from our website.

If HydraDry Tanking Slurry 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.

Pack Size & Coverage

Pack size	Product Code	Coverage at 2 mm thickness
20 kg	HYDRA20	up to 7 m ²
20 kg	HYDRABUCK20	up to 7 m ²



HydraDry Tanking Slurry

Storage

Store in cool, dry conditions, off the ground. Protect from all sources of moisture and frost.

Shelf Life

6 months from date of manufacture, when unopened, undamaged and stored correctly.

Health and Safety

For further information and advice, please contact the Wykamol Technical Department and consult the safety data sheet, which is available upon request or can be downloaded from our website.

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