TECHNICAL DATASHEET

HYDRA DRY

Tanking Slurry

HydraDry Tanking Slurry is a cementitious waterproof system which creates a monolithic bond of the crystalline chemicals when applied to concrete structures.

When mixed with clean water and applied correctly, **HydraDry Tanking Slurry** forms a permanent waterproof coating to the concrete and masonry and is easily applied by brush, roller or spray.

HydraDry Tanking Slurry waterproofs against 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 in damp-proofing applications and as a Grade 3 waterproof system in accordance with BS8102 2022. HydraDry Tanking Slurry is an excellent radon barrier and has passed all the relevant tests for resistance to this gas.

ADVANTAGES

- Permanent waterproofing for concrete and masonry.
- Resists positive and negative water pressure.
- Superior bond strength.
- Resists salt contamination in masonry.
- Suitable for use above and below ground level.
- Suitable for internal and external use.
- Safe to use in contact with potable water (WRAS approved).
- Easy to use, brush, roller or spray applied.
- Ideal radon barrier

NOTE: When applying HydraDry Tanking Slurry to a structure housing aquatic life, overcoating with Wykamol EP40 in line with the relevant data sheet is necessary, which is available upon request or can be downloaded from our website.

TYPICAL USES

Waterproofing of: basements, cellars, foundations, swimming pools, concrete, renders, brickwork, block work structures and lining water tanks, pools and planters etc.

Internal and external, above and below ground application.

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/mm^2.

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.

Construction Joints

For all construction joints including, angled, movement, expansion or connection joints, please refer to the Wykamol Proflex Tape data sheets.

Priming:

- Using a brush, roller or spray, apply SBR Latex, mixed 1:1 (by volume) with water.
- Allow to become tacky to the touch. This will take approximately 30 minutes 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
20Kg	3.2 - 4 Litre	3.2 - 3.6 Litre	3.5 - 4.2 Litre

When mixing HydraDry Tanking Slurry, use ONLY CLEAN WATER, a clean mixing vessel and a mechanical mixer.

1. Pour min 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 inaffective 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 - 1.5 mm per coat, totalling 2 - 3 mm final cured thickness.

For use as a radon barrier, apply coats at a minimum thickness of 2.5 - 3 mm, totalling 5 - 6 mm minimum final cured thickness.

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 2mm.

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

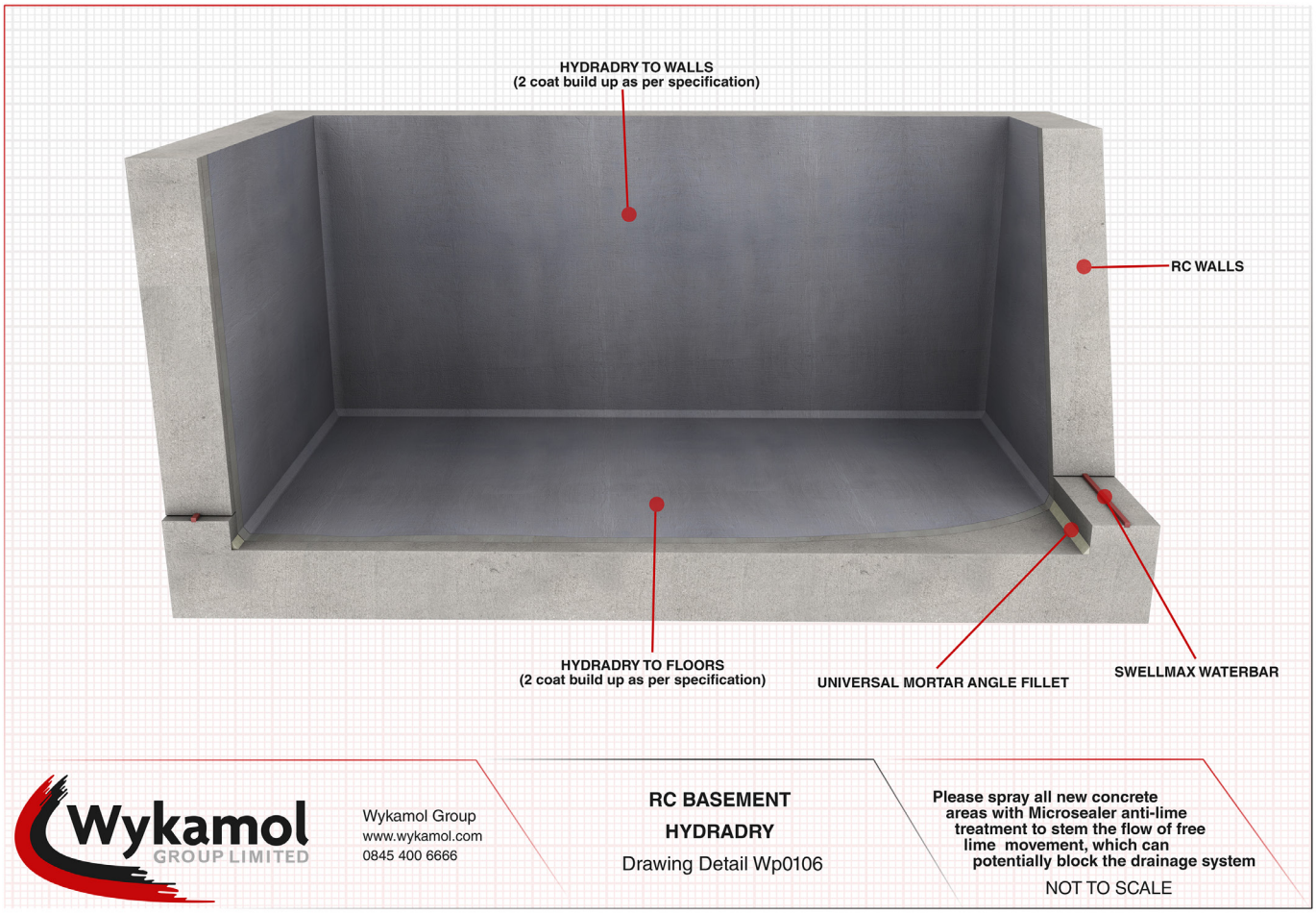
The product should not be applied in temperatures under 5°C and falling, or if temperatures are expected to fall below 5°C within 24 hours.

Ensure the substrate temperature is not below 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.

HYDRADRY TANKING SLURRY



Technical Data	Result
Colour	Grey
Pot Life at 20ºC	> 30 mins
Flexural Strength (28 days)*	7 N/mm²
Compressive Strength (28 days)*	30 N/mm²
Hardened Density (28 days)*	1850 kg/m²
Adhesion to Universal Mortar	≥ 0.8 N/mm²
Resistance to Water Pressure	≥ 7 Bar
Reaction to Fire	EUROCLASS A1

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 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 a minimum of 48 hours.

TECHNICAL DATASHEET

BRITISH MADE FOR BRITISH TRADE

OVERCOATING & FINISHING

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. Howver, the moisture content of the plaster and background must be in line with the recommendations of the supplier of the chosen finish.

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

PACK SIZE AND COVERAGE

Pack Size	Product Code	Coverage
20 kg	HYDRA20	up to 7 m^2
20 kg	HYDRABUCK20	up to 7 m^2

STORAGE & SHELF LIFE

Store in an upright position, under cover and away from high temperatures and open flames. Shelf life is 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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