

Substrate Prep

All active water leaks must be stopped using Wykamol's Waterstop.

Uneven surfaces (Including non-flush pointed brickwork)

- Remove by suitable means any foreign materials that may cause contamination or adversely affect adhesion properties.
- Use Wykamol's Universal Mortar (relevant data sheet upon request or from our website) to create a level and even surface.

Level Surfaces

- Protect exposed steel with a suitable corrosion inhibitor.
- Remove all foreign materials, preferably using wet grit or water blasting techniques.
- The strength of the concrete subbase must be a minimum of 25 N/mm².

Note: Universal Mortar should be applied as a fillet seal at any wall/floor, wall/wall, or wall/ceiling junctions prior to application of HydraFlex.

Priming (if necessary)

- Apply SBR Latex, mixed 1:1 with water to substrate.
- Allow to become tacky to the touch. This will take approx. 30 mins.

Mixing

1. Remove contents from bucket.
2. Shake Polymer B and then let it settle for 10-20 seconds.
3. Pour Polymer B into empty bucket.
4. Using an electric paddle, gradually start to add Powder A into bucket whilst mixing under low shear to reduce dust generation.
5. Add all Powder A and increase mixing shear so vigorous mixing is achieved.
6. Mix for approximately 2 minutes, stop to scrape the powder stuck to the sides of the mixing vessel back into the mix.
7. Mix for a further 2 minutes to achieve a uniform, lump free product.
8. Tap water can now be added into bucket, and mixed in, to provide the desired consistency.
 - a. A maximum of **0.5 L** of tap water can be added without affecting the crack-bridging properties.

Application

- After mixing HydraFlex has a pot life of **40 minutes**.
- Apply a tight coat of HydraFlex by trowel, brush, or roller to a minimum thickness of 1 mm in the first layer.
- It is essential the first coat is well worked into the substrate, free of entrapped air as far as possible, and is applied in one continuous direction.
- Allow the first coat sufficient time to cure to a state where it will accept the second layer (approximately **5 hours** at standard room temperatures, longer at lower temperatures).
 - HydraFlex can accept light foot traffic after **24 hours**.

- No more than 48 hours should be allowed between coats, if this time has elapsed please contact Wykamol Technical Department for advice.
- Apply a second coat of HydraFlex at a 90° angle to the first, ensuring complete coverage and a minimum overall thickness of 2 mm.

Cleaning of Tools & Equipment

- Tools should be cleaned immediately after use with warm, soapy water.
- If the product has cured it must be mechanically removed.

Application conditions and limitations

- Substrate and ambient temperature must be over 5°C at time of application and for the following 24 hours.
- Avoid application in direct sunlight to prevent rapid drying out.
- Aquatic environments should be finished with Technoseal DPM.
- Not tested for use in swimming pools or in contact with potable water.
- If product is used in an external environment it should be covered after 72 hours and not left as the final finish.
- Gypsum plaster must not be used in direct contact with HydraFlex.

Curing and ventilation

- Surface of the coating should be protected from strong sunlight and drying winds, using either a curing compound or polythene sheeting, for a minimum of 48 hours.

Overcoating and Finishing

- HydraFlex must not be punctured by wall fixings, e.g. dry lining work etc.
- Suitable for overcoating at least 72 hours after the final coat of HydraFlex has been applied. Wykamol recommends plastering with Wykamol's Renovation Plaster.
- If HydraFlex has been applied as part of a DPC, breathable paint must be used on top of any finish for a minimum of 12 months.

Storage

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

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.