



TILE & STONE FIXING EXPERT



C01

HYGUARD EX

2K, FLEXIBLE, UNDER TILE
WATERPROOF COATING



For Internal &
External Area



Easy
to Use



No Leakages



Highly Elastic



Non-toxic



Low VOC



Available in 9 kg pack.



HYGUARD EX

DESCRIPTION

Roff Hyguard EX is a two component, polymer-modified, flexible cementitious waterproofing coating specially formulated for Concrete and Masonry Surface which is supplied in ready-mix kits (2 parts). When the dry powder is mixed with acrylic-modified emulsion and applied

according to direction, the cured coating become a tough, flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface.

AREA OF USE

On surface/ substrate	Area of application
Plaster surfaces, cement-based screeds, concrete, masonry surface, light weight block.	Wet areas such as bathrooms, showers, kitchen etc. Water bodies like swimming pool, water tank, fountains etc. Concrete Roof, domestic applications, commercial applications.

FEATURES AND ADVANTAGES

- Easily apply by brush/ roller.
- Flexible - Bridges cracks in concrete/ surfaces.
- Excellent adhesion to concrete and masonry substrates
- Provides a waterproof surface & eliminate water leakage.
- Conforms to portable water contact parameters.
- Low VOC - For healthy living.

LIMITATIONS

- It is recommended for under tile waterproofing. For large interior basement walls waterproofing & other critical waterproofing, please connect with Roff Technical team.
- Roff Hyguard EX is meant for the waterproofing coating, not for load bearing.
- Roff Hyguard EX is not suitable for high traffic area application.



HYGUARD EX

TECHNICAL INFORMATION

PERFORMANCE PROPERTIES

Testing Properties	Test Results
Appearance	Part A - White Liquid Part B - Grey Powder
Density	2 ± 0.05 kg/ litre
Application Temperature (Substrates and Materials)	10°C to 40°C
Mixing Ratio (w/w)	1 part of liquid (Pack A) 3 parts of powder (Pack B)
Pot life of mixed material	Minimum 2 hours
Touch Dry	30 to 40 mins
Over-coating Interval	4 to 6 hours
Colour of Cured Film	Grey
Adhesion on Concrete as per ASTM D 7234	> 0.5 N/mm ²
Resistance to water penetration (DIN 1048)	Passed with no water penetration
Water Permeability @ 5bar (EN 12390-8)	NIL
Water Portability (IS10500)	Portable

Note : Test results are indicative as per testing method specified in standard. Test results may vary as per substrate, site condition & testing machine etc. Actual field performance will depend on installation methods and site conditions.

HYGUARD EX

APPLICATION INSTRUCTIONS



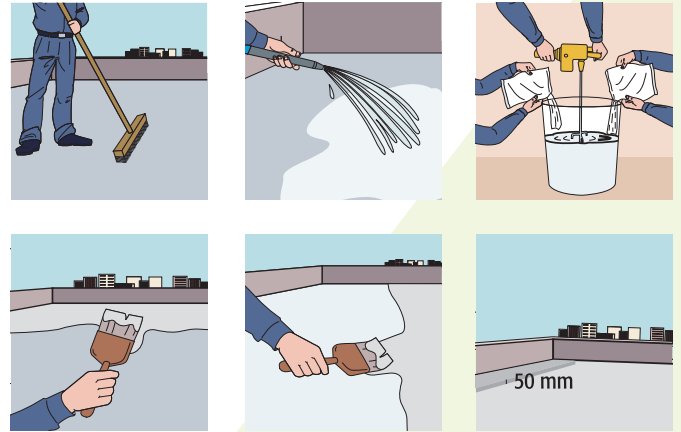
SUBSTRATE PREPARATION

- Surface must be clean, dry and in sound condition to ensure adequate adhesion.
- Remove all oil, grease, dust, loose particles and other foreign material.
- Fill all cracks, voids and bug-holes with an appropriate Crack Filler.
- Any surface defects should be repaired prior to application of membrane.
- All junction subject to movement shall be first sealed with Sealant
- Cracks due to shrinkage should be repaired with polymer modified mortar.

MIXING

- Slowly add Powder part to Liquid part in a clean container & mix it with mechanical mixer until a smooth and homogenous slurry mixture is achieved.
- Allow the mixed slurry to stand for 5-10 minutes for releasing trapped air.
- Mixing material must be use within recommend pot life.

APPLICATION



- Reinforce corners, coving, drainage flange, & PVC pipes with 40 Gsm Geotextile/ fleece fabric with Roff Hyguard EX waterproofing coating.
- Wait until first coat is dry then apply the second coat in order to completely embed Roff Hyguard EX reinforcement.
- Ensure reinforcing is fully wetted out and free from creases &/or air pockets.
- Apply the 1st coat of mixed material using brush over the prepared surface.
- The first coat must be well applied into the undulations of the surface.
- When 1st coat is dry in 4- 6 hrs, apply the 2nd coat.
- Sprinkle liberally coarse quartz sand (30-60 mesh/ 250-500 microns) while second coat is still wet to provide key for subsequent plaster or tile application.
- Roff Hyguard EX can be removed from tools and equipment immediately after use with clean water.
- It is mandatory to protect the coating by overlaying mortar or plaster or tile.
- Curing must be done by only placing a wet hessian at least upto 72 hrs after drying, and thereafter by proper curing with water.
- In bathrooms, on balconies or roof water-tightness test may be carried out 72 hours after applying the final coat.
- Tiles, stones and mosaic tiles may be installed after 7 days of applying the final coat of Roff Hyguard EX.
- Tile fixing must be carried out using Tile Adhesives only and recommended to use ROFF Powerflex tile Adhesive or equivalent EN 12004:2017/C2 compliance.
- Grout tile joints with Roff grout range.

Note : White bloom will appear over the coating if rainwater or water splashes fall over it.



HYGUARD EX

PRECAUTIONS & NOTE

- Roff Hyguard EX is a pre-measure package. Do not dilute with water or add any more sand or cement.
- Do not apply when temperatures are below 10°C and above 40°C.
- Drying time may vary depending on the prevailing climatic conditions; low temperature and higher relative
- Humidity may prolong the drying process. Protect from direct rainfall/ foot traffic for at least 24 hours.
- Refer to product MSDS prior to use or for specific information.
- Pond test shall be carried out only after 72 hrs of air curing/ drying for 2 days to check the leakage in coating.

COVERAGE

- 4 – 5 m²/ pack would be covered in two coats with a thickness of 1 to 1.5 mm depending on the surface undulations.
- 0.45 - 0.65 m²/ kg of mixed material in two coats with a thickness of 1 to 1.5 mm.

*Coverage may vary depending upon the texture and porosity of the surface.

PACKAGING

9 kg Pack

SHELF LIFE

12 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature.

SAFETY PRECAUTIONS

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

For more details please refer the relevant Material Safety Data Sheet, available on request.