



RF ADHESIVE

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High-Flow Cementitious Adhesive

Product Description:

Hydrobloc RF Adhesive is a **one-component, polymer-modified cementitious adhesive** specially developed for bonding and embedding waterproofing membranes, reinforcement tapes and fleece to concrete and cementitious substrates. Its highly fluid consistency provides excellent wetting and penetration of fleece surfaces, creating strong mechanical interlock and durable adhesion. The cured adhesive provides high cohesive strength and resistance to prolonged moisture exposure.

Key Features & Benefits:

- High-flow formulation for excellent fleece penetration
- Strong membrane-to-concrete adhesion
- High cohesive and shear strength
- Suitable for vertical applications
- Securely holds membranes and reinforcement systems
- Suitable beneath subsequent plaster, render and tile systems
- Good resistance to prolonged moisture exposure
- Suitable for below-ground and moisture-exposed applications
- One-component, factory-controlled powder requiring only water
- Easy application with a notched trowel or squeegee

Areas of Application:

Hydrobloc RF Adhesive is suitable for:

- GEOCOMP composite waterproofing membrane
- FlexSeal Tape
- FGR 30 / FGR 45 reinforcement fleece
- Waterproofing joints, corners, cracks and transitions
- Horizontal and vertical waterproofing applications
- Below-ground construction
- Moisture-exposed and coastal applications
- Applications beneath subsequent plaster, render and tile systems

Surface Preparation:

The substrate must be sound, clean and free from:

- Dust and loose material
- Cement laitance
- Oil and grease
- Other contaminants that may impair adhesion

Damp or SSD surfaces are acceptable. Remove all standing water before application.



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Mixing Instructions:

For 25 kg of powder, gradually add approximately 7.5–8.0 L of clean water while mixing mechanically.

Mix for 3–5 minutes until a smooth and homogeneous slurry is obtained. Allow the mixture to rest briefly and remix before application.

Pot Life: ≥30 minutes

Actual pot life may vary depending on temperature, humidity and substrate conditions.

Mixing method : for best results mix with power paddle mixer.

Application Guidelines:

- Apply approximately 1.5–2.0 mm of adhesive using a notched trowel or squeegee.
- Immediately place the membrane, tape or reinforcement fleece into the fresh adhesive.
- Press firmly using a rubber roller, working from the centre outward.
- Ensure complete fleece wetting and contact with the adhesive.
- Remove wrinkles, trapped air and unbonded areas.
- Protect the installation until adequately cured.

Hydrobloc RF Adhesive acts as the **bonding and anchoring layer**, while the GEOCOMP membrane provides the primary waterproofing barrier.

For vertical tile or plaster applications, the complete assembly should be designed to accommodate the weight and mechanical loading of the subsequent finish.

Coverage / Consumption:

Typical consumption: Approximately 1.75 kgs to 2.25 kgs per sq mtr

Actual consumption depends on substrate profile and applied thickness.

Recommended application thickness: 1.5–2.0 mm

Curing & Protection:

Protect the freshly applied adhesive and installed system from conditions that may adversely affect curing or adhesion. Ensure the installation is adequately cured before subjecting it to subsequent construction activities or finishes.

Packaging:

25 kg bag

Storage & Shelf Life:

Store the product in its original, unopened packaging in a **cool, dry and protected environment**, away from moisture and direct exposure to weather. Shelf life should be taken from the product packaging or current manufacturer specification.



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Health & Safety:

- Avoid contact with skin and eyes.
- Wear suitable protective gloves, eye protection and protective clothing during handling and application.
- Avoid inhalation of dust during mixing.
- Ensure adequate ventilation during application.
- Keep out of reach of children.
- Refer to the product Safety Data Sheet for detailed health, safety and handling information.

Technical Data:

Property	Typical / Target
Product Type	1K polymer-modified cementitious adhesive
Appearance	Grey powder
Mixing Method	for best results mix with power paddle mixer
Consistency	Highly fluid, cohesive slurry
Pot Life	≥30 min
Tensile Adhesion to Concrete	≥1.0 MPa
Membrane / Fleece Adhesion	High
Application Temperature	+5°C to +35°C
Typical Consumption	Approximately 1.75 kgs to 2.25 kgs per sq mtr
Packaging	25 kg bag

Typical values may vary depending on temperature, humidity, substrate conditions and application method.