



HYDROMENT BONDING AID

WATER BASED BONDING AGENT

KEY FEATURES

- Improved the adhesion of cement-based mixes
- Reduces shrinkage and cracking for repair and screeding use
- Effective in increasing the workability and cohesion of cement mixes
- Reduce water content to improve strength without loss of workability
- Act as a concrete sealer

DESCRIPTION

Hydroment Bonding Aid is a water based bonding agent which formulated of water based styrene-butadiene polymer latex that gives high bonding characteristics. It is stable under wet alkaline conditions forming a reinforcing polymer matrix within cement based mixes. It is also act as a concrete sealer to avoid minor water seepage.

RECOMMENDED USES

Hydroment Bonding Aid is use for bonding of new concrete to old concrete, repair of concretes, cement flooring mixes for screeding and patching, filling / injection grouts, tiling and setting mortars.

METHOD OF USE

SURFACE PREPARATION

The surface for application must be clean and laitance free. For larger areas, the use of grinding machine is recommended. Cut back the edges of repair areas to avoid feathering the repair. For cement-based mixes, all surfaces should be saturated with water, removing any ponding surface water before application.

Application For Bond Coat

Use a stiff brush to apply a coat of Hydroment Bonding Aid onto the surface. Work well into the surface. Application of concrete renders and mortars should take place while the bond coat is already tacky. Bond coat will remain tacky for approximately 20 minutes depending on surrounding ambient temperature.

Application for Cement Mortar Mixes

Recommended ratio would be Portland Cement (50 kg) : Fine Sand (150 kg) : Hydroment Bonding Aid (10 kg)

PERFORMANCE PROPERTIES

Appearance	Milky white liquid
Specific Gravity	1.0g/ml ± 0.02
Flash Point	Non-Flammable
Slant Shear Bond Strength (ASTM C1042 : 1999)	
- Type I	≥ 2.8N/mm ²
- Type II	≥ 8.7N/mm ²

: Water (5 kg). Apply a 5 to 6 mm render with a notched float. Press the brick or tile into the render. The same mix should be used later for grouting purpose.

Application For Floor Patching

Recommended ratio would be Portland Cement (50 kg) : Fine Sand (100 kg) : Hydroment Bonding Aid (10 kg) : Water (5 kg). Apply a 5 to 15 mm render with a notched float. Press the brick or tile into the render. The same mix should be used later for grouting purposes.

Dampen / Wet the prepared substrate, apply a bond coat and while still wet, place the screed, repair or render mix by using a wooden float to apply and compact. Repair and screed mixes are best placed at a semi-dry consistency, rammed into place. Finish with steel float. Good curing is essential to prevent drying and cracking.

Application As Concrete Sealer

Use a stiff brush to apply a coat of Hydroment Bonding Aid onto the surface. Work well into the surface. Let the layer of the sealer cure and follow by others application layer.

CONSUMPTION

Approximately 6m² per litre.

CLEAN UP

Spillage should be cleaned up immediately with water.

PACKAGING

18 kg pail
200 kg drum

STORAGE AND SHELF LIFE

Hydroment Bonding Aid should be kept in closed container, in a dry place and protected from extremes of temperature. The shelf life of Hydroment Bonding Aid is approximately 12 months in unopened container.

HEALTH AND SAFETY

Hydroment Bonding Aid is non hazardous and non-toxic but should be treated with caution. Good hygiene practices should be observed at all times. Skin and eye contact should be avoided and plastic or rubber gloves and eye protection worn at all times. In case of eye contact, wash copiously with water and seek immediate medical attention. Material Safety Data Sheet is available upon request.



040-016-2619

Low Emission Low Toxicity Adhesive / Sealant

The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. However, no warranty in respect of merchantability or fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. No guarantee of their accuracy can be made because of the great range of field conditions and variation encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik be liable to anyone except for replacement of the products or refund of the purchase price.

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This document supersedes all previously published literature.