



HYDROMENT 425

ACRYLIC POLYMER ADMIXTURE AND GROUT ADDITIVE

KEY FEATURES

- Suitable for internal and external installations
- Mixes easily with thinset or mediumset mortars and colour grouts
- Enhancement in bond strength and flexibility
- Retains colour better in grout installations
- Reduces water absorption in grout installation in wet areas
- Improve workability and cohesiveness

DESCRIPTION

Hydroment 425 is an acrylic polymer admixture and grout additive for cement based adhesive and Dry Tile Grout / Ceramic Tile Filler.

This product is used to replace with water that normally added into cement based adhesive or other thinset / mediumset mortars and colour grouts sanded or unsanded.

The use of Hydroment 425 will further improve the adhesion, flexibility and water resistance of thinset / mediumset mortars and colour grouts to serve the requirement in many areas of residential, commercial buildings, factories, warehouse and etc.

Typical installations including high traffic areas such as podiums, lift lobbies, service bays, platforms and vehicular wash areas. Other strength critical areas are swimming pools and outdoor installation.

RECOMMENDED USES

Where there is requirement on ;

- Improving shear bond strength of tile and stone installations.
- Improving water resistance of colour grouts and mortars.
- Improving flexural and tensile strength.

Hydroment 425 can be used ;

- as a slurry bond coat (together with Portland Cement) to received new screeds or topping.
- as a plasticizer for cement and sand plastering to

PERFORMANCE PROPERTIES

Appearance	Milky white liquid
Specific Gravity	1.02g/cm ³

FOR SCREEDS AND RENDERS, DILUTE 1:4 HYDROMENT 425 WITH WATER

For screeds : Mix 0.5 litre of diluted Hydroment 425 with 1kg of cement and 3kg of washed dry sand	
Compressive Strength after 21 days	15N/mm ²
For renders : Mix 0.6 litre of diluted Hydroment 425 with 1kg of cement and 3kg of washed dry sand	
Compressive Strength after 21 days	10N/mm ²

HYDROMENT 425 MIXED WITH FIXALL

Tensile strength : Normal condition After immersion Heat Ageing Freeze / Thaw	 > 1N/mm ² > 1N/mm ² > 1N/mm ² > 1N/mm ²
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HYDROMENT 425 MIXED WITH SUPERFIXALL

Tensile strength : Normal condition After immersion Heat Ageing Freeze / Thaw	 > 1.2N/mm ² > 1.2N/mm ² > 1.2N/mm ² > 1.2N/mm ²
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improve workability, cohesiveness and reduce the incidence of cracks formation.

- as a primer coat for Boscosseal AC2 and Boscosseal RC2 acrylic polymer waterproofing coating.
- as a primer coat for Light Weight Block (details of application must refer to Method Statement).

SUBSTRATE TYPES

Use as primer for substrate ;

- Concrete
- Cement screed backings
- Masonry surfaces
- Light weight blocks

SURFACE PREPARATION

All surfaces must be free from dirt, dust, grease, loose particles and other contaminants. Cracks and defects must be repaired. Ensure surfaces are true and plum before attempting installation of tile or marble.

MIXING

Pour thinset or mediumset mortar powders gradually into Hydroment 425 whilst slowly mix with low speed electrical mixing paddle (less than 500 rpm). Mix thoroughly until a homogeneous lump-free mixture is obtained.

Allow maturity time of at least 2 to 3 minutes. Remix the mortar for 30 seconds. The mixed mortar is recommended to use within 15 minutes.

PACKAGING

18 kg plastic pail
200 Liters drum

CLEAN UP

Tools and equipment can be cleaned with water immediately after use.

STORAGE AND SHELF LIFE

Store material in cool and dry condition. The shelf life of this product is 12 months from date of manufacturing if stored properly in original, unopened and undamaged container.

HEALTH AND SAFETY

Under normal use, this product does not pose any health hazard. However, as a precautionary measure, goggles and safety gloves should be used during the handling of this product.

LIMITED WARRANTY

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. However, no warranty in respect of merchantability or of 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.