



HYDROMENT 412

MULTIPURPOSE ACRYLIC MORTAR STRENGTHENING 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
- Reduces water absorption in grout installation in wet areas
- Improve workability and cohesiveness

DESCRIPTION

Hydroment 412 is a multipurpose acrylic mortar strengthening 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 412 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.

SUBSTRATE TYPES

Bonds well to ;

- Concrete
- Cement screed backings
- Masonry surfaces

PERFORMANCE PROPERTIES

Appearance	Milky white liquid
Specific Gravity	1g/cm ³

For screed / render :

1 part of ordinary portland cement : 3 parts of dry fine sand : 0.5 part of diluted Hydroment 412 (1 part of Hydroment 412 : 1 part of water)

It may use as neat as well. It is always advise to carry actual site trial since the dry sand quality various from batch to batch.

As additive in tile adhesive :

It can be used neatly to replace water for all Bostik Ceramic Tile Adhesive range to improve flexibility.

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 412 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 about 2 to 3 minutes. Remix the mortar for 30 seconds. The mixed mortar is recommended to use within 15 minutes.

PACKAGING

- 4 kg plastic bottle
- 5 kg plastic bottle
- 18 kg jerrycan
- 200 kg drum

CLEAN UP

Tools, equipment and spillage should be cleaned immediately with water.

STORAGE AND SHELF LIFE

12 months from date of manufacturing if stored in original, sealed and unopened packaging in cool, dry and weatherproof environment.

HEALTH AND SAFETY

This product 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. Plastic or rubber gloves and eye protection worn at all times. In case of eye contact, wash repeatedly with water and seek immediate medical attention. Material Safety Data Sheet is available upon request.

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.



040-016-2022

Low Emission Low Toxicity Adhesive / Sealant

A banner for Bostik Hotline featuring a green and orange gecko on the right. The text on the left reads: 'BOSTIK HOTLINE', 'Smart help', and '+606 678 9788'.

Bostik Findley (Malaysia) Sdn. Bhd. ^(286152v)

Lot 112 & 113, Kawasan Perindustrian Senawang,
70450 Seremban, Negeri Sembilan,
Malaysia
Tel: +606 678 9788 Fax: +606 678 9766

Singapore Branch (T12FC0033E)

1 Science Park Road The Capricorn #04-01/05
Singapore Science Park II
Singapore 117528
Tel: +65 6419 9151 Fax: +65 6419 9150

www.bostik.com
an Arkema company

This document supersedes all previously published literature.