



**HYDROMENT NATA Pre-blend  
Ready to use cement-based Motar  
Adhesive**

**PRODUCT DESCRIPTION**

Hydroment NATA thin set mortar adhesive are composed of select,proprietary chemicals, carefully graded aggregates and portland cement.

**PRODUCT USES**

- . For installation of ceramic and porcelain tiles, marble, granite, slates, quarry tiles, sandstone, terracotta tiles and other dimensional stones.
- . For thin bed installation, 4mm-2mm.
- . Interior and Exterior installations.
- . Vertical and Horizontal installations.
- . Hydroment NATA may be mixed with BOTICA Latex for use in critical applications.

**FEATURES AND BENEFITS**

- . Preblended ready to use, just add water,
- . Freeze/Thaw resistance.
- . High Strength thin bonding adhesive.

**SUBSTRATE TYPES**

**Bonds well to:**

- Concrete
- Cement screed backings
- Cement Blocks

When mixed with Botica Latex, bonds well to:

- Existing ceramic tiled floors.
- Well bonded vinyl flooring.
- Gypsum wallboard.
- Hydroment Ultraset.
- Cutback Adhesive residue.

**MIXING**

Hydroment NATA requires only clean water for mixin

Hydroment NATA	25Kg and 40Kg
Clean Water	6.25litres and 10 Litres

When used with Botica Latex for critical and heavy tiles

Hydroment NATA	25Kg/40Kg
Botica Latex	6.25litres/ 10 Litres

Minimal clean water may be added to achieve application workability on site.

For general 2-part adhesive system, Botica Latex may be mixed with clean water up to 50% of the liquid requirement for mixing, depending on tile type.

Fill the required clean water or Botica Latex (if used) into the clean mixing container.

While mixing by hand or with a slow speed (< 150 rpm) mechanical mixer, gradually add the Hydroment NATA Adhesive powder. Whisk or stir continuously until a smooth trowellable consistency.

Let slake 10-15 minutes after initial mixing and remix before use. Note High speed mixing enraps air which may cause weak



Disclaimer. All representations and recommendations set forth are given in good faith and the best of our knowledge. However due to varying conditions and applications the buyer shall conduct its own tests of this product before use. Under no circumstances will the manufacturer be liable for any loss or damages caused by incorrect usage. The sale of this product shall be on terms and conditions set forth on BOTICA's order acknowledgement

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## APPLICATION

Apply a thin coat of mixed hydroment NATA with the flat edge of the trowel to achieve good mechanical bonding with the substrate.

Comb mortar with the appropriate size of notched trowel. For tiles with deep grooves and ridges, it may be necessary to butter the back as well so that proper adhesion and support occurs.

Re-comb mortar if any evidence of skinning or before setting occurs. Do not spread more mortar than can be covered with tiles within 10-15 minutes.

Press tiles in a twisting motion into fresh mortar bed. Promptly beat in tile to ensure maximum contact and bond. Occasionally check backs of tile to ensure at least 80% adhesives transfer for internal installations and at least 90% transfer for exterior installation.

The coverage of the adhesive is dependent on the size and type of notch and tiles used. As a guide,

3mm\*3mm trowel-approx. 1.2-1.5kg/m<sup>2</sup>  
6mm\* 6mm trowel-approx 3.0-3.5kg/m<sup>2</sup>  
10mm\* 10mm trowel-approx 5.0-6.0kg/m<sup>2</sup>

## GROUTING

Tiles should be set 24 hours before grouting of tile joints begin. Allow 48 hours cure if grouting with Hydroment Color-Poxy epoxy grouting and setting system.

## CLEANING

Removes excess NATA thin set mortar with a sponge and clean water immediately after use. Removal of cured material is very difficult.

## SUBSTRATE PREPARATION

All surfaces must be sound, clean and free of dust, grease, oil, curing compound and any foreign materials which will inhibit proper bond. Concrete should have a surface texture similar to a light broom finish.

## TECHNICAL DATA

Form	Powder Grey *Available white
Density	1.75Kg/Ltr (dry mix)
Open Time 20 <sup>0</sup> C	15 to 20 mins
Pot Life 20 <sup>0</sup> C (after mixed)	1.5 hours
Tensile Adhesion Strength BS5980:80	903 N – 7 days 971 N – 14 days
Shear Bond Strength - ANSI 118.1	
7days Air cure	1.67 N/mm <sup>2</sup>
7days water immersion	1.54 N/mm <sup>2</sup>
28days Air cure	2.02 N/mm <sup>2</sup>

## PACKAGING

Hydroment NATA 25Kg/40Kg

## STORAGE AND SHELF LIFE

Hydroment NATA has a shelf life of at least 12 months.

Store all materials in a cool dry place, in an elevated condition.

## HEALTH AND SAFETY

Hydroment NATA, like all cementitious products contains cement which may cause skin dermatitis. For personal precautions, protective gloves and goggles are recommended to be worn during handling of this product.

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