

## MONNELI NEOFIL BLOCK

*Adhesive for Autoclaved Aerated Concrete Block*

### Product Description

A powder adhesive composed of hydraulic binders, bonding agents, quartz, synthetic resins and special additives formulated to obtain, when mixed with water, optimal characteristics of workability and high adhesion power to the support. It contains neither asbestos fibre nor other materials considered harmful for health of the applicator.

### Uses

NEOFIL BLOCK can be used for laying internal and external AAC (Autoclaved Aerated Concrete) blocks and panels.

### Advantages

- Factory controlled pre-blend ensures consistent high quality
- Requires only addition of water on site at the time of usage
- Strong adhesion to AAC Blocks
- Mineral based non-hazardous

### Instructions for Use

#### Surface Preparation

The support, where NEOFIL BLOCK will be applied, must be perfectly clean, solid, compact and free from grease substances

#### Mixing

To prepare the mixture, pour in a container 10 to 10.5 Liters of clean water. Add a bag of 50 Kg of NEOFIL BLOCK, then mix to get a homogeneous lump free consistency mix.

Let the product rests for about 5 minutes and remix shortly before use.

#### Application

Saturate the block surface with water before applying the adhesive mortar any excess water should be removed.

Place the first line of blocks on concrete slab using a traditional cement mortar.

Apply NEOFIL BLOCK with special toothed trowel and then position the blocks verifying their alignment. Remove possible excess of mortar before it hardens.

Ensure that the adhesive spread on the blocks has not formed a superficial film. In this case apply fresh mix with the toothed trowel.

NEOFIL BLOCK should be applied in a thin layer to enable the continuity of thermo-insulation of the blocks.

Leave a space of about 2 cm between the top of block wall and the bottom of slab or beam in order to avoid formation of cracks along the wall. This cavity should be filled with compressible material (see relative technical data sheets).

After wall had completed curing, plastering may start using Rasante plastering products.

#### Cleaning

Tools and equipment should be cleaned with water immediately after use. Hardened materials should be mechanically removed.

#### Recommendations

- If the blocks are laid directly on a floor with possible humidity rising, it is recommended to apply a proper damp course system first
- The 2 cm separation between the top of the block wall and the bottom of slab or beam should be filled with suitable compressible material.
- Spray the block wall with water before applying the plaster.
- Ensure that the first layer of blocks is fixed proper with perfect alignment

- Do not apply NEOFIL BLOCK in rainy weather, high winds and sand storms
- Do not apply on surface that has temperature less than +5°C
- During summer season, working area should be covered to prevent the direct sun effects. Keep equipment cool and use a cool water
- The product should not be exposed to moving water during application

## Technical Data

Properties	Results
Appearance	Powder
Color	Grey / white
Density at 25°C	1.5 kg/L
VOC	<1.0g/L
Compressive strength at 28 days	4.0 N / mm <sup>2</sup>
Flexural strength at 7 days	> 1.5 N/mm <sup>2</sup>
Recommended thickness	3 mm
Noxiousity according to EEC 88/379	None

All values are subject to 5-10 % tolerance

## Applicable Standards

- BS 1881
- ASTM C 495
- ASTM D4551

## Consumption

4 – 5 kg/ m<sup>2</sup>

## Packaging

NEOFIL BLOCK is supplied in multilayered 50kg bags

## Storage

Store in dry covered place in the original closed bags. In these conditions, the product shelf life is 12 months from the date of production.

## Health & Safety

NEOFIL BLOCK is a cement-based product.

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.

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