

### MONNELI NEOFIL BL

*Normal Block Laying Mortar*

#### Product Description

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It is made of Portland cement, graded sand and additives. It is dry pre-mix mortar that when blended together creates a mortar with improved workability, better quality bonding.

NEOFIL BL reduces shrinkage and movement in masonry walls due to a controlled elasticity modulus.

#### Uses

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NEOFIL BL can be mixed by hand or with any type of electrical mixer and is normally used to fill gaps between concrete and bricks.

NEOFIL BL is used for mounting / laying all types of normal concrete blocks (solid block, hollow block, thermal block).

It is also used for a general purpose mortar as for filling gaps and masonry walls.

Neofil BL is applied in thickness for 5 – 15mm, ideal application thickness is 10mm.

#### Advantages

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- Single component and requires only on site water addition
- Excellent workability and ready to use
- Water and weather resistant
- Suitable for wet and dry condition
- Free from asbestos or asbestos containing materials
- Non-combustible

#### Instructions for Use

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##### Surface Preparation

The blockwork where NEOFIL BL will be applied must be perfectly clean, solid, compact and free from grease substances or solid particles. It must not be over-heated nor frozen.

During hot weather, the surface to receive NEOFIL BL should be brushed with water prior to the application. Take extra note to neutralize the suction in the background of the blockwork by applying clean potable water. Allow excess water to be fully drained before to applying NEOFIL BL.

##### Mixing

To prepare the mixture, pour in a container 8 - 9.5 liters of clean water. Add a bag of 50 Kg of NEOFIL BL, then mix to get a homogeneous lump free consistency mixture using an electric agitator / slow speed mechanical mixer.

Once mixed, let the product rests for about 5 minutes and remix shortly before use.

##### Application

Apply NEOFIL BL a trowel and then position the blocks verifying their alignment. Remove possible excess of mortar with a wet sponge before it hardens.

##### 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 BL 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
Density	1.6 kg/L
VOC	Negligible
Pot Life at 25°C	60 minutes
Compressive strength at 28 days	≥8.0 N / mm <sup>2</sup>
Application thickness	Up to 15 mm
Application temperature	+5°C and +45°C
Noxiousity according to EEC 88/379	None
Air content	Max. 12%

All values are subject to 5-10 % tolerance

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## Applicable Standards

- BS EN 998-2
- ASTM C-270
- ASTM C-150
- ASTM C-144

## Packaging

NEOFIL BL is supplied in 50 kg bags

## Storage

Keep NEOFIL BL in sheltered, off the ground, dry environment and well closed – original bags. Shelf life is 12 months from production date if stored as recommended.

## Health & Safety

NEOFIL BL is a cement-based product. Avoid contact with skin or eyes. Provide adequate ventilation in working place to avoid inhalation of dust.

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.