

MONNELI NEOFIL BLS

Sulphate Resistant Block and Brick Laying Mortar

Product Description

Made of sulphate resistant cement, graded sand and additives – a ready mix mortar that when blended together creates an improved workability, better-quality bonding and excellent water retention.

The use of sulphate resistant cement provides the mortar with enhanced durability and resistance when used in environments prone to chloride and sulphate attacks.

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

Uses

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

NEOFIL BLS is particularly adapted for mounting regular/hollow blocks, stones and bricks on masonry structures prone to sulphate attacks from ground soil water or the construction units themselves.

Advantages

- Single component and requires only on site water addition
- Excellent workability and ready to use
- High strength and bonding properties

Instructions for Use

Surface Preparation

The blockwork where NEOFIL BLS 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 BLS 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 BLS.

Mixing

To prepare the mixture, pour in a container 6 - 7.5 liters of clean water. Add a bag of 50 Kg of NEOFIL BLS, 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 BLS using a trowel and then position the blocks verifying their alignment. Remove possible excess of mortar with a wet sponge before it hardens.

Curing

Protect the newly applied material from direct exposure to sunshine and wind and allow to be cured for at least 3 days by spraying with water 3 to 4 times daily.

Cleaning

Protect the newly applied material from direct exposure to sunshine and wind and allow to be cured for at least 3 days by spraying with water 3 to 4 times daily.

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 BLS 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

Applicable Standards

- ASTM C387, C-144, C404
- BS 5262

Packaging

NEOFIL BLS is supplied in 50 kg bags

Storage

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

Technical Data

Properties	Results
Appearance	Powder
Color	Grey
Density	1.7 kg/L
VOC	<0.1 g/L
Pot Life at 25°C	60 minutes
Compressive strength at 28 days	12.0 N / mm ²
Flexural strength at 28 days (BS EN 196)	3.0 N / mm ²
Adhesion strength at 28 days (EN 1015-12:2000)	1.0 N / mm ²
Application thickness	Up to 12 mm
Application temperature	+5°C and +42°C
Noxiousity according to EEC 88/379	None

All values are subject to 5-10 % tolerance

Health & Safety

NEOFIL BLS 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.

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

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