Technical Data Sheet

BLOCK GRIP

Adhesive for Autoclaved Aerated Concrete Block

Description:

BLOCK GRIP is a pre-mixed cementitious powder adhesive composed of Portland cement, hydraulic binders, lime, powder, bonding agents, silica sand and special adhesives. It is formulate as a superior adhesive for AAC blocks. It can also be used to fix clay bricks to prevent clay absorption of water for adhesive mix.

When mixed with water, BLOCK GRIP produces a workable mortar that generates, once cured, a high adhesive power between blocks.

Advantages:

- Easy to mix and apply, just add water.
- Ideal for internal and external application.
- Excellent strength and adhesion between blocks.
- Suitable for hot weather.

Uses:

BLOCK GRIP can be used for laying Autoclaved Aerated Concrete blocks and clay bricks for internal and external application.

Instructions for Use:

Surface Preparation:
The block side surfaces should be free of lose particles, dust, dirt, grease, oil. Spray the block side surface with water before applying the mix.

Mixing:
Add BLOCK GRIP bag of 50 kg into a container of 10 litre of clean water. Mix until a uniform lump free consistency mix achieved. Leave the mix to stand for 5 minutes and remix before uses. Use low speed mechanical mixer (200-300 rpm) with a suitable mixing paddle. The mixture remains workable for one hour after mixing at 25°C.

Application:
Fix the first layer of AAC blocks on concrete slab with traditional cementitious mortar. Apply a layer of BLOCK GRIP mix to the side face of the block using toothed trowel.

Place the new block to the mortar bed and apply pressure till the mortar oozes.

Apply BLOCK GRIP in thin layer to enable the continuity of the thermos-insulation of the AAC block. Pay attention that the applied layer does not form a superficial film. If this occurs, apply a fresh new layer.

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. The cavity should be filled with compressible material.

Plastering could be applied to AAC block walls after 24 hours of fixing the blocks. Use Rush coat BL to apply a key coat before plastering.

TECHNICAL PROPERTIES:		
Appearance	:	Cementitious Powder
Color	:	Grey
Wet Density	:	>1.75 kg/ Lt
Compressive strength	:	>5 N/mm² @ 28 days
Flexural Strength	:	>3 N/mm²
Noxiousity	:	None
VOC	:	2.0 g/L
Recommended Thickness	:	3 mm

Coverage:

BLOCK GRIP can be applied in an average of 6.0 Kg/m^2 of block side surface area.

Each 50 Kg. Bag of BLOCK GRIP covers an area of 8.3m^2 at a thickness of 4 mm.

Packaging:

BLOCK GRIP is available in 50 kg recyclable bags.

Storage:

Store BLOCK GRIP in dry and covered area away from direct sun light. Keep material protected from rainfall and avoid excess compaction.

BLOCK GRIP

Cleaning:

Clean with water before the product dries.

Standards:

BLOCK GRIP conforms to:

- ASTM C 1660, ASTM C 109, ASTM C 580, ASTM C91
- ASTM C 150 TYPE I

Shelf Life:

Shelf life is 12 months in original unopened bag when the above conditions are met.

Health and Safety:

- Use goggles and gloves during application. Do not breathe dust of product.
- Avoid contact with eyes or skin.
- Provide adequate ventilation in working area.

Remarks:

- Do not apply BLOCK GRIP in rainy weather, high winds or stormy weather.
- Ensure that first layer of block is fix proper with perfect alignment.
- During sunny season, working area should be cover to prevent direct sun effect. Keep equipment cool and used cold water.
- The possible humidity rise is expected in the floor, it is recommended to apply proper damp course coating.
- Spray the block wall with water before applying the plaster.
- Keep 2 cm. gap at the top end of the well below the slabs or the beam. Fill the gap with comprisable material.

P.O. BOX: 29585, Dubai, UAE, Tel: +971 4 333 4140, Fax: +971 4 333 4115
Email: info@matex.ae, www.matex-global.com