



BP Blockfix-ALC (Mortar for Aerated Blocks & Lime Blocks)

BP Blockfix-ALC is specifically designed cement based Joint mortar for use to fix aerated lightweight concrete and Lime blocks. It ensures that joint width is kept to a minimum hence eliminating the cause of thermal bridging associated with the use of traditional mortars.

Advantages: It carries several advantages over conventional mortars including extended open time, minimum joints, easy application, cost effective, extended adhesion, no wait for subsequent layers of applications, etc.

Directions for use:

Mixing: Pour 5.5 litre of clean potable water in a clean plastic bucket or an uncontaminated metal container. While using an electric agitator, slowly add the contents of one 25 kg bag of Blockfix-ALC to the water. Mix until a uniform homogeneous slurry/mix is obtained and leave to stand for 5 minutes then stir again before spraying on the surface. Any hard or set material should be discarded and should not be remixed or reused.

Application: Apply the mixed Blockfix-ALC to the Light weight block surface using a mortar applicator or notched trowel to approx. 3 mm thickness. Place the blocks into the mortar ensuring good contact. Check the level and continue with next block. Remove excess material with a wet sponge before setting. Clean tools & equipment with water after use.

Curing: After application of Blockfix-ALC, allow it to dry for few hours depending upon the air temperature. Once the surface is dry; start curing with potable water. Curing should continue for minimum 24 hours with an interval of 4-6 hours depending upon the weather conditions.

Typical Properties:

Binder	: Hydraulic & Organic Binders
Shelf Life	: 6 months, if stored properly
Mixing Ratio	: 5.0-5.5 L of water per 25 kg bag
Wet Density	: 1890 kg/m ³ (BS EN 196 1994 Cls 4.5.2)
Coverage	: 10m ² @ 2mm average thickness
Max Load	: 24.93 kN
Comp. Strength	: 9.5 N/mm ² @28 days (ASTM C 579-01)
Acid Soluble Chloride:	0.01 (BS EN 1881)

Notes:

Movement joints should be provided in accordance with normal practice. Refer to published local standards or BS 5385 and CP 202.

Workability:

Working time of Blockfix-ALC is 45 minutes at 25⁰C, after 5 minutes standing time and the mixed material must be used before drying out occurs; and therefore, it is essential to work with a small quantity preferably one bag at a time.

Standards: BS 5262, 5492, ASTM C 387, DIN 1855

Coverage: 10m²@ 2mm average thickness

Composition:

BINDERS : Hydraulic and organic binders
FILLER : Inert, precisely graded quartz fillers.
ADDITIVES : Adhesion promoting & retaining agents

Available Colours: Grey or White

Code Practice:

Fixing of blocks should be carried out in accordance with relevant British Standards or BS Codes of Practice, details of which can be obtained from BS Institute, British standard House, 2 Park Street, London W.1.

Pack Size: Grey: 25 kg bags; White: 20 kg bags

Shelf Life & Storage:

Six months if stored properly in original unopened packing in dry conditions away from direct sunlight. It should be stored as supplied, until ready for use. Pallets can be stacked two high provided care is taken. Opened Sacks should be used first. Unopened Sacks can be stored for 6 months. Use oldest material first.



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Technical support:

GMC offers comprehensive technical support service & specification assistance in locations to our channel partners, end users, and contractors.

Quality & Care:

All the products manufactured and originated from Gulf Minerals and Chemicals, UAE facility are independently tested and certified under a GMC Management System to conform to the requirements of the quality, environmental, health & safety Standards.

Health & Safety Precautions:

This product contains Portland cement which is slightly alkaline when wet. For people with sensitive skins may cause irritation. As a general Code of Safety Practice all chemical products should be treated with care, kept away from children and animals, especially protect eyes and skin. In an emergency seek medical advice.

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