

DESCRIPTION

Ready to use, additive fortified, cement-sand rendering compound. Available in grey or white colour. Ordinary Portland Cement used complies to BS 12, BS 4027 or BS 5224. Sand used comply to BS 882 & BS 1199. Comply to the requirements of BS 5385 : Part 1 : 1990 & BS 5385 : Part 2 : 1991 (Section 2 & 3). Manufactured to stringent Internal Quality Assurance System, conforming to BS 5750 : Part 2 : 1987.

USAGE

Pre-Mixed Rendering Compound specially formulated for rendering / leveling of Aerated Light Weight Concrete (ALC) Block Walls. Suitable for use on wall, wet or dry and interior or exterior areas. Ideal for application as wall render at thickness of between 4 - 20 mm. For greater thickness, apply in 2 separate layers or more with average thickness of 15 mm (See Application).

GENERAL PERFORMANCE

A high quality, user-friendly, pre-mixed cement-sand mortar for improved qualities of rendering over ALC Block Walls. Specially formulated to be more compatible with the inherent nature and properties of ALC Blocks.

Eliminate on-site mixing, wastage and provides contaminant free render by reducing efflorescence, bleeding etc. Pre-Mixed BELCEM ALC PLASTER prevents mixing error or abuse (ie. ratio of cement to sand); therefore provides greater consistency in quality & properties of wall render.

Generally, requires mixing with water only. For improved Adhesion Strength, Cohesive Strength, Flexural Strength, Abrasion Resistant, Frost Resistant, Durability, Reduced Water Permeability, Reduced Drying Shrinkage, Reduced Surface Dusting, Minimized Efflorescence, Improved Workability etc., BELCEM ALC PLASTER can be modified with BELBOND SBR, BELLE MULTI BOND or BELCEM ADMIX-PLUS Latex Admixtures, to replace or partially replace gauging water. This is particularly important when rendering to exterior areas and when rendering over difficult / dense & impervious substrates (ie. waterproofed substrate etc.)

Note: ALC Block Walls exhibits a high degree of initial water suction; which may result in rapid drying (moisture loss) from the rendering compound. This may result in poor adhesion, hollowness, weakened and cracking of the render. To avoid this, prime surface of ALC Blocks with BELLE ALC PRIMER to reduce water suction; prior to rendering.

APPLICATION INSTRUCTION

- Surface to receive Belcem ALC Plaster must be dry, sound and free of contaminants eg. grease, oil, laitance, dust etc.
- Prior to rendering over ALC Block Wall with Belcem ALC Plaster; ensure that the ALC Block surface is primed with 1 - 2 coats of BELLE ALC PRIMER to reduce its water suction. This will allow the rendering compound to retain its moisture content, which is important if the rendering compound is to undergo proper hydration process. This will allow the rendering compound to attain optimum adhesion strength, cohesive strength, eliminate shrinkage cracks, hollowness & dusty or powdery surface.

TECHNICAL DATA

Colour	: Grey or White
Wet Density	: 1.75 g/cm ³
Specific Gravity	: 1.71
pH	: 10.8
Dry Solid Content	: 100%
Shelf Life	: 12 months
Inflammability	: No
Toxicity Hazard	: No

Mix Ratio	: 1 part Water : Approx. 5.5 parts of Belcem ALC Plaster [4.5 - 5 ltrs Water : 25 kg Belcem ALC Plaster].
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Pot Life (Working Time)	: 2 hours at 25°C
Curing Time	: 3 days base on 18 mm thick layer.

Dry Time Before Tiling	: 14 days
Dry Time Before Painting	: 7 - 14 days
Application Temperature	: Above 5°C - 50°C

Temperature Resistance	: 100°C
Frost Resistance	: -5°C
Resistance to acids	: Fair
Resistance to alkalis	: Fair
Resistance to oil & solvents	: Fair
Damp Resistance	: Fair
Flexibility	: Fair



Compressive Strength	:
07 Days Air Dry	: 10.50 N/mm ²
28 Days Air Dry	: 27.90 N/mm ²

Flexural Strength	:
07 Days Air Dry	: 5.63 N/mm ²
28 Days Air Dry	: 9.17 N/mm ²

Tensile Adhesion Strength	:
14 Days Air Dry	: 0.22 N/mm ²
28 Days Air Dry	: 0.30 N/mm ²



Allow BELLE ALC PRIMER to dry for approx. 30 minutes; prior to application of rendering compound.

Add 5.5 parts of BELCEM ALC PLASTER into 1 part of Water. Mix until a smooth, creamy consistency is obtained. An electric pan mixer is recommended when mixing large quantities.

The mixed rendering compound should be immediately applied after mixing. No standing time is required.

Apply BELCEM ALC PLASTER to the required finish thickness; however ensuring it is within the recommended tolerance. Where greater thickness is required apply in separate layers of two (2) or more layers. The first layer should be combed to create "keys" and left to dry before the subsequent layer is applied. The subsequent layer should not be thicker than the preceding layer. In thick renders, reinforcement with stainless steel wire mesh may be required.

Level & compact (press firmly) rendering compound using steel trowel, wood float or other similar tools.

Allow to cure or age for 2 week (may vary depending on render thickness), before commencement of Ceramic Tile installation.

Allow to cure or age for 1 - 2 week, before commencement of painting.

COVERAGE

approx. 3.5 m² / 25 kg bag at 4 mm thickness or 0.8 m² / 25 kg bag at 18 mm thickness.

PACKING

Available in 25 kg bags.

SHELF LIFE / STORAGE

at least 6 months when stored in normal dry conditions.

TECHNICAL SERVICES

For further details or recommendation please contact our Technical Advisory / Specification Center at 603-6275 9498 (KL), 604-657 2830 (Penang) & 852-2385 0222 (Hong Kong).

PRECAUTION

Non-Toxic. However avoid inhaling dust. If material enter eyes, wash out immediately with Clean Water. May cause minor skin irritation; therefore use suitable gloves. Keep out of children reach.

Conditions Of Sales :

Sold subject to Company's Condition of Sale, which is available upon request.

Note: Any advice, opinion, instruction or information is given only on the basis that the Company its employees, representatives agents or distributors shall be under no liability for any loss or damage (including direct or indirect contingent or consequential loss or loss of profits) whatsoever in respect thereof. Although advice, opinion, instruction and information are believed to be accurate and complete no reliance should be placed upon the same as being applicable to any particular circumstances.

The manufacturer reserves the R&D rights to continually improve its product technology. Information provided in this brochure may be superceded with improvement in product technology. This improvement should they take place, shall not affect the products actual functional purposes.

MARKETING OFFICES :

MANEWTECH - MARKETING SDN BHD (276581- P)

Kuala Lumpur Office

No. 29 & 31, Jalan TIAJ 2/1, Taman Industri Alam Jaya, 42300 Bandar Puncak Alam, Selangor D E, Malaysia.

Tel : 603-6038 9498 / 9497 / 9094 / 9084

Fax : 603-6038 9507 / 8684

Web Site : www.weber.com.my

E-Mail : AhmadWazir.Alias@saint-gobain.com

Penang Office

No. 8, Lintang Beringin 2, Jalan Permatang Damar Laut, Diamond Valley Light Industrial Park,

11960 Bayan Lepas, Penang.

Tel : 604-626 2830 / 2829 Fax : 604 626 2106



CERTIFIED TO MS ISO 9001 : 2000
CERT NO. CI/3693

Conform To :

BS 5980 : 1980
MS 1295 : 1992
BS5385 : Part 1 - 4

Member Of :

- FMM, Malaysia
- MCI, Malaysia
- MBAM, Malaysia
- SIRIM Working Group - MS1294 & MS1295