

LIGHTWEIGHT BLOCK MASONRY MORTAR

*PREMIUM PRODUCT
OF THAILAND*



Lightweight Blocks



LIGHTWEIGHT BLOCK MASONRY MORTAR

Product Information

- For laying lightweight blocks

Product Features

- Easier laying and aligning from increased viscosity of mixture from water retention agent
- Enhanced bonding and wall strength from added adhesive agent

General Properties

- Suitable for all types of lightweight blocks
- Reduced laying time

Application Method

- Mix 1 bag of cement with 13-15 liters of clean water
- If mixing with trowel, do not mix more than 5 kilograms per batch and ensure cement is well blended before use

Application area

- 25-30 m² for 2-3 millimeters thickness with 7 centimeters of lightweight blocks
- *Information supplied from laboratory test

Recommendations

- Use within 2 hours of mixing
- Do not add water after mortar has begun to set
- Install wire rod every 50 centimeters to increase wall strength
- Spray with water 2-3 days after laying

TECHNICAL DATA

Product Identity

Type : Powder

Color : Grey

Storage : Keep in dry conditions and avoid moisture

Shelf Life : up to 2 months

Packaging : 50 kilograms per bag

Application Data

Application : For laying lightweight blocks

Layer Thickness : 2-3 millimeters

Mixing Water : 13-15 liters per bag

Temperature Range : 20-40°C

Pot Life (25°C) : 120 minutes

Test Data

| Property (Method) | Result |
|---------------------------------------|--------------------------|
| Wet Property | |
| pH of mix (pH meter) | ~11 |
| Air Content (ASTM C185) | 8-18% |
| Water Retention (TIS 2706) | 95% |
| Time of Setting (TIS 2706) | > 100 minutes |
| Dry Property | |
| Compressive Strength (ASTM C109) | |
| 28 days | > 5.0 MPa |
| Bonding Strength (ASTM C952) | |
| 7 days | > 0.25 N/mm ² |
| 28 days | > 0.4 N/mm ² |
| Splitting Tensile Strength (TIS 2706) | |
| 28 days | > 0.28 MPa |

Additional Suggestions



Recommendation for Cement Bag Handling : To lift cement bag, kneel down with a straight back, securely hold product with hands, then use the power from your legs to lift product. Women, children, the elderly and those with health conditions or disabilities should not move cement bags without assisting equipment.



Cautions • Suitable temperature for use is between 20°C - 40°C • Avoid using product in direct sunlight or in windy conditions

Safety Precautions • Avoid breathing in cement and avoid direct contact with concrete. Use of protective masks, protective goggles, and waterproof clothing, shoes and gloves is advised. • Avoid direct contact with concrete. Use of protective goggles, waterproof clothing, shoes and gloves is advised. • Avoid inhaling concrete dust • If concrete dust comes in contact with eyes or mouth, wash thoroughly with clean water and seek medical advice immediately. • If concrete dust comes in contact with skin, wash thoroughly with clean water. If irritations occur such as itching, rashes or burning sensation in area of contact with concrete dust, seek medical advice immediately. • Clothing stained with concrete dust should be washed thoroughly before reuse • Do not reuse packaging material as a container for food or drinks • Keep away from children

For additional inquiries about use of product, application method, material safety data sheets (MSDS), or other information, please contact SCG Contact Center +662-586-2222 or www.scg-trading.com



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Agent's stamp