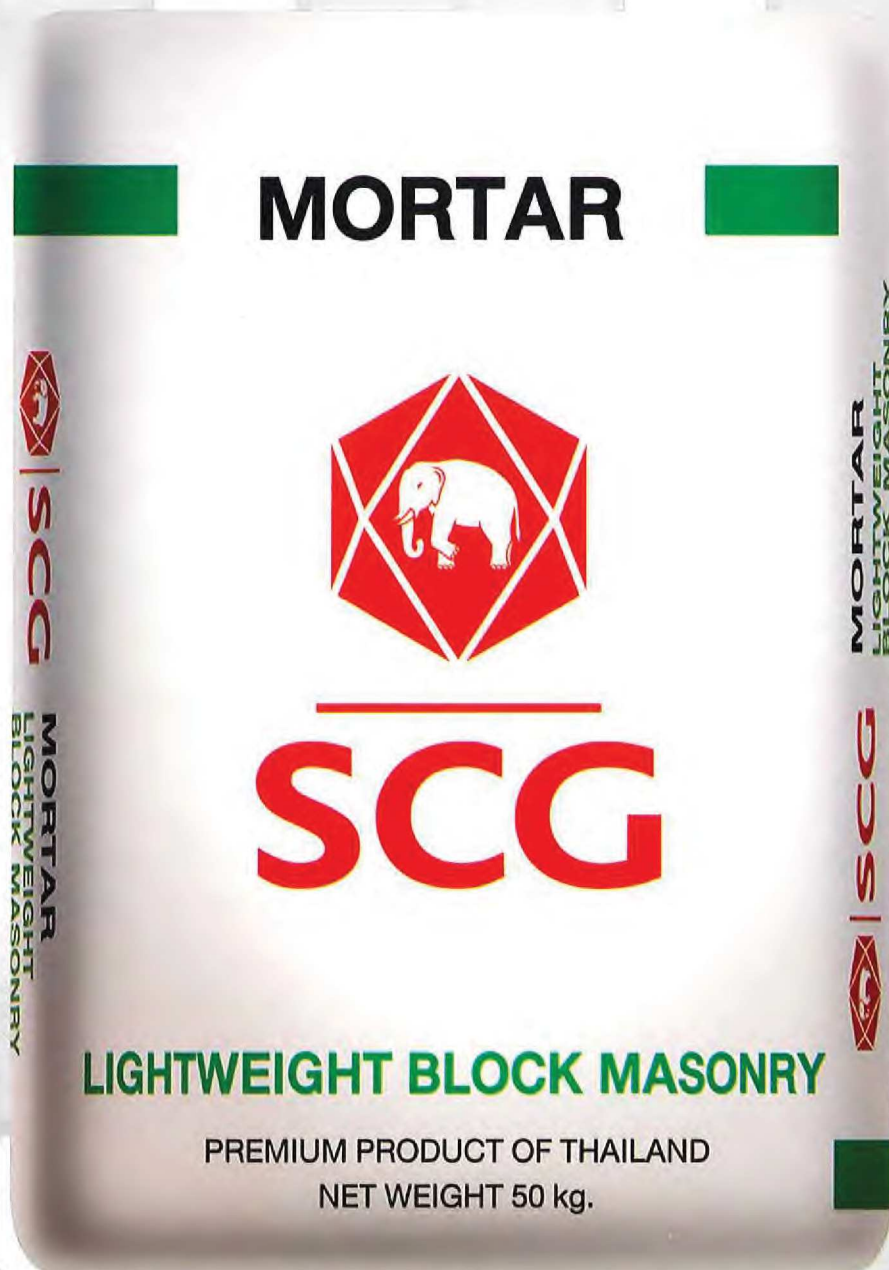




Trustmark of innovative quality

# LIGHTWEIGHT BLOCK MASONRY MORTAR



**MORTAR**



**SCG**

**LIGHTWEIGHT BLOCK MASONRY**

PREMIUM PRODUCT OF THAILAND

NET WEIGHT 50 kg.

# LIGHTWEIGHT BLOCK MASONRY MORTAR

## Product Information

- Special for lightweight block masonry mortar
- Package: 50 kg./bag

## General Property

- Consist of special water retention admixture to provide soft and adhesive texture easily for configuration and masonry range management.
- Consist of extra adhesive admixture to strengthen the wall.

## Special Property

- Usable with all kinds of lightweight blocks.
- Save masonry time and provide quick work.

## Application Method

- Mix 1 bag with 14-15 litres of clean water.
- In case of mixing by trowel, mix not exceeding 5 kg. for each time with clean water and thoroughly stir until it is well mixed.
- In case of mixing by agitated electric drill, mix not exceeding 10 kg. each time with clean water and thoroughly stir until it is well mixed.
- For large quantity require, mix not exceeding 50 kg. each time with clean water in mixing container until it is well mixed.
- Temperature Range : 10-40°C
- Application Humidity : min 50%
- Pot Life : 120 minutes

## Supplementary Equipment

- Trowel for lightweight block masonry mortar
- Agitated electric drill.

## Application Area (m<sup>2</sup>/bag)

- For lightweight block masonry mortar of standard size 7.5 cm.: Approx. 25-30 m<sup>2</sup>/50 kg. at 2-3 mm. thick
- \*Information from laboratory test

## Suggestion

- It is recommended to use within 2 hours after mixing
- Don't add any water after setting.
- It is recommended to install round rod (Arc) at every 50 cm. to strengthen the wall.
- It is recommended to spray water for approx. 1-2 days after masonry.



## TECHNICAL DATA

### Test Data

| Property (Method)   | Results |
|---|---------|
| <u>Wet Property</u>                                       |         |
| pH of mix (ph meter)                                      | ~11     |
| Specific Gravity of mix; g/cm <sup>3</sup> (ASTM C 188)   | 2.80    |
| Air Content; % (ASTM C 185)                               | 12-18   |
| Water Retention; % (ASTM C 91)                            | 92-106  |
| Time of Setting; minute (ASTM C 807)                      | 200-280 |
| <u>Dry Property</u>                                       |         |
| Compressive Strength; N/mm <sup>2</sup> (ASTM C 109/109M) |         |
| 7 days  | 5-10    |
| 28 days   | 9-15    |
| Bonding Strength; N/mm <sup>2</sup> (ASTM C 952)          |         |
| 7 days  | 0.2-0.5 |
| 28 days   | 0.4-0.9 |

### Product Identity

Aggregate State : Powder  
Color : Grey  
Bulk Density : 1.5kg/L  
Storage & Shelf Life : Storage in dry conditions, avoid moisture and water

#### Accreditation:

TIS / ISO9001 : 2000, TIS / ISO14001 : 1996  
Water retention : ASTM C91-03, TIS 1766-2542  
Compressive strength: ASTM C109/C109M-02  
Air content : ASTM C185-02, TIS 1766-2542  
Time of setting : ASTM C807-66, TIS 1766-2542  
Bonding Strength : ASTM C952-91