

Lightweight block masonry mortar



weberset lightweight block



High bonding strength among lightweight blocks



Add chemical agent for easy adjusting and fast installation



Certified standard with World Class Manufacturing (WCM) and Green Industry



Smooth & creamy. Easy application



For both interiors and exteriors



Low VOCs

weberset lightweight block is masonry mortar for all kinds of lightweight blocks with smooth and creamy texture for easy application and giving excellent bonding for internal and external applications. The product is certified low VOCs giving no harm to applicators and residents.

● **PACKAGING:** 25 kg and 40 kg bag

● **COLOR :** grey

● **COVERAGE :** average 15 - 18 m²/25 kg bag
average 25 - 30 m²/40 kg bag

● **APPLICATION**

See details on page 51 - 52

● **TOOLS FOR LIGHTWEIGHT BLOCK INSTALLATION**

- Lightweight block notched trowel
- Mixing head
- Rubber mallet
- Lightweight block saw
- Wooden sawback rasp tool

● **APPLICATION INSTRUCTIONS**

- Do not add more water after the mortar reaches its initial set
- Use the tools appropriately
- Ensure of full contact of transfer to every side of lightweight blocks
- Reinforce lightweight blocks with metal straps or rebars and making lintel poles and beams according to lightweight block manufacturers

SHELF LIFE AND STORAGE

- One year after manufacturing date when stored unopened in dry and ventilated place. Store airtight in dry and ventilated conditions if remained in opened bag
- Storage should be in dry and off floor
- Proper rotate the stock with FIFO (First In First Out)

TECHNICAL DATA

Test	Result
Density of powder	140 g/cm ³
Chemical curing time	2-3 minutes
Pot life (in shade)	4 hours
Waiting time before plastering	1 day
Application temperature	5 - 35°C

CERTIFIED STANDARD

Test method	Standard	Result
Bonding strength ASTM C952-02	n/a	>2.66 ksc
Initial setting time ASTM C087-05	120-1000 min	750 min
Air content of mortar ASTM C231	8-21 %	15.5 %
Water retention ASTM C91	≥70 %	97.71 %
Low VOCs ISO 11890-2	< 0.05 % w/w	< 0.05 % w/w

Remark: These test results are from laboratory test. They could be slightly different from on-site results because of the differences in applications and conditions

APPLICATION

Mixing



- Mixing proportion is 1 : 2.5-3 (water : **weberset lightweight block**) by volume. It is recommended to partially mix in one bucket at a time.



- Fill the right proportion of **weberset lightweight block** in to water, not the other way round.



- Mix with slow speed electrical mixer or partially mix by hand until homogeneous lump-free paste is obtained and wait for 2-3 minutes for chemical curing.



- Stir it again before using.

LIGHTWEIGHT BLOCK PREPARATION



- Clean lightweight block with damp brush in order to remove dust and loose particles prior to the installation.

LAYING THE FIRST COURSE



1. Clean the substrate until free from dust.



2. Lay the first course by applying **weberset lightweight block** on the floor.



3. Follow with sand and cement thick bed (2-5 cm).



4. Apply **weberset lightweight block** both vertically and horizontally at the block.



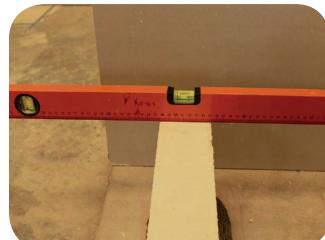
5. Lay lightweight block in place and use rubber mallet for the alignment.



6. Check the alignment with bubble level by 3 methods as shown in the pictures (Type 1)



7. (Type 2)

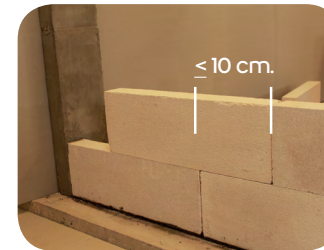


8. (Type 3)



9. Follow item 4-8 for laying another block by using bubble level for checking alignment both horizontally and vertically.

LAYING THE NEXT COURSES



1. Overlap the blocks by minimum 10 cm.



2. Cut into the right size.



3. Set the alignment with bubble level. If it is not yet level, use wooden sawback rasp tool to rasp the blocks until the alignment is obtained.



4. Apply lightweight block masonry mortar by either method 1 or method 2.



5. Lay each lightweight block and use rubber mallet to adjust until achieving vertical alignment.



METAL STRAP OR METAL REBAR INSTALLATION

For every 40 cm high or 2 courses

- Metal Strap size (3x22 cm) or Metal rebar (Ø 6 mm, 25 cm length)



1. Measuring



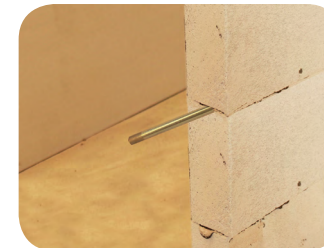
2. Chasing



3. Nail to the block



4. Nail to structural wall or column



Or use metal rebar installation instead

Caution:

- Contains cement, which may lead to allergy. Contact with the product may cause irritation, dermatitis or skin burns.
- Avoid direct contact with skin and into eyes. Dress properly, wearing glove and mask while working with **weberset lightweight block**.
- Work in ventilated area.
- If contact with skin: immediately wash with soap and large amount of water.
- If contact into eyes: immediately wash thoroughly with clean water and seek medical advice.
- Keep out of children's reach.