weber SAINT-GOBAIN

weber blokset

Product Description

Weber blokset is a ready to mix, self curing cementitious mortar for mounting and bonding AAC, CLC, hollow, concrete blocks and bricks. It is made from polymeric additives which help in providing mechanical bond and adhesion between block to block and block to surface. weber blokset is in compliance with C 1660-09 ASTM standards (www.astm.org) which is world's only standard for thin bed mortar for autoclaved aerated concrete masonry.

Key Features

- **Self Curing:** weber blokset is designed to eliminate the need for external water curing which saves critical resource like water.
- **Minimized shrinkage and seepage:** weber blokset is a thin bed, polymer rich formulation, which minimizes shrinkage as well as water ingress.
- **Improved Workability:** Due to polymeric and mineral additives it results into improved flow, water retention and open time.
- **Less storage space:** weber blokset is ready to mix product there by eliminating need for bulk storage of sand and cement.
- **Cost effective:** weber blokset is applied in less thickness having superior coverage and reduction in wastage due to pot life and no water curing required.
- **High bonding (Tensile splitting strength):** Optimally polymerized weber blokset provides the additional chemical bonding apart from the improved mechanical sand-cement bonding due to hydration retainer compounds which gives solid robust wall with long lasting durability and this strength is achieved at very thin thickness above 3mm.
- **Construction accuracy:** Due to measured application and thin bed, the wall construction is accurate.
- **Withstand hammering and chiseling:** The weber blokset bonds are able to withstand the hammering and chiseling required to be done for window, door frames and conduiting as per standard masonry practices.
- **Environment friendly:** Portion of weber blokset is made of one of byproducts of industry helps in reducing carbon footprint at the same time no water required for curing helps in restoration of natural resources.
- **ASTM Complaint:** weber blokset conforms to with ASTM C 1660-09
- **Wall construction speed :** As per standard masonry practices (generally from 2 days)

Recommendation

It is recommended for fixing AAC, CLC, hollow, concrete blocks & bricks.

TECHNICAL PARAMETERS#

Appearance	**Grey powder**
Bulk Density	**1.40 - 1.50 gm/cc**
Pot Life	**90 minutes**
Open Time	**10-15 minutes**
Compressive strength @ 28 days	**> 10-11 Mpa**
Tensile splitting strength >0.4 Mpa for 3mm at 28 days * valid for 90% transfer	

Directions for Use

Surface preparation

- Pre-wet the blocks and ensure it is touch dry before thin bed masonry mortar is applied.
- The surface for mounting must be thoroughly cleaned of all laitance, loose materials, oil, grease etc.
- Ensure that surface is flat, structurally sound and free from any other contamination which would reduce the bond strength.
- The surface should be free from voids, holes and cracks.

Mixing

- Gradually add 3 parts of powder to 1 part of water (by volume) and mix it for 5-10 minutes to achieve smooth paste consistency.
- Attempt to be made to break the lump during mixing so that maximum dispersion of polymer takes place in the mortar resulting into good bonding strength with the blocks.
- After mixing allow the paste to stand for 2- 3 minutes to mature and again mix it for paste consistency.
- Do not attempt to extend the pot life by adding more water to the mixed adhesive.

Application Methodology

- Put well mixed weber blokset on the block with help of trowel, spread mortar uniformly on the unit.
- Use notch trowel for good transfer and firmly place the block with slight shear to ensure good transfer & bonding.
- weber blokset to be applied on the faces of the block and on column and beam, material to be applied on both i.e. surfaces as well as on block to ensure good bonding at the joints.
- Use rubber hammer to have good contact between the blocks.
- Go on placing the blocks with above method and erect the wall.

Pack Size: 30 kg

Note:

- Minimum thickness to be applied is from 3mm to take care of the undulation in the blocks as well as to ensure minimum 90% transfer leading to good bonding strength.
- Plastering can be done at construction site as per standard masonry practice generally after 4 days, conduting and chiseling can be done generally after 7 days.

Consumption

For 3mm bed thickness, coverage of 5 - 5.5 Kg/Sqmtr.
The coverage will vary depending on surface conditions.

Shelf Life

12 months from the date of manufacturing in a sealed condition.

Health & Safety: weber blokset is non-toxic. Use of gloves and goggles is recommended. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. Weber components are non flammable.

#Note: Pot life, open time and adjustability time varies depending on the service conditions viz temperature, humidity and wind factor.

#Note: These test values were obtained during our laboratory tests. Site mixes may show slight differences in performance due to methods of applications.

Marketed by: Saint-Gobain India Pvt. Ltd. – Weber business, Corporate Office: 5th level, **Leela Business Park**, Andheri-Kurla Road, Andheri East, Mumbai – 400059 India.

Email: weber-india@saint-gobain.com | **Website:** www.weber.co.in