

# Thin **is the New Strong**

- Can be applied from 2mm onwards
- Very high tensile splitting strength (Bond strength)
- Full wall in one day
- No shrinkage and leakage
- Conforms to ASTM C-1660 -09



## Product Description

**Weber.bloksetplus** is a high grade non-refractory mortar consisting of high performance polymers for bonding masonry units, like AAC blocks. It is a weber proprietary formulation of blend of polymers, hydration retainers, cement, mineral additives & graded fine sand to have excellent grip and adhesion strength between block to block and block to cementitious surface. weber bloksetplus is in compliance with ASTM C1660-09 standards which is world's only standard for thin bed mortar for autoclaved aerated concrete masonry.

## Key Features

- **ASTM compliant:** It is specially formulated and tested to be in compliance with ASTM C 1660 -09 and gives the confidence to the consumer of a product based on researched standards.
- **Fast construction and higher productivity:** weber bloksetplus is a timely setting mortar which allows uninterrupted block mounting, which is far lower in time than conventional and ordinary mortars. Combined with qualities of good workability, spread of material and no need of curing, weber bloksetplus increases speed of construction – only 24 to 48 hrs required before next stage like plastering.
- **Water savings:** The weber bloksetplus is designed to eliminate the need for any external water curing which saves critical resource like water.
- **No wall height constraint:** Timely setting properties of weber bloksetplus and flatness achieved minimizes any restriction on the height of walls that can be built in a day.
- **Minimized shrinkage and seepage:** weber bloksetplus 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 bloksetplus is ready to mix product there by eliminating need for bulk storage of sand and cement.
- **Cost effective:** weber bloksetplus is applied in less thickness having superior coverage and reduction in wastage due to potlife and no water curing required.
- **High bonding (Tensile splitting strength):** Optimally polymerized weber bloksetplus 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 of 2mm.
- **Construction accuracy:** Due to measured application and thin bed, the wall construction is accurate.
- **Withstand hammering and chiseling:** The weber bloksetplus bonds are able to withstand the hammering and chiseling required to be done for window, door frames and conduiting after 48-72 hours.
- **Versatility of application:** weber bloksetplus is a high bonding adhesive for AAC blocks, which when applied with trowel or notch trowel.
- **Environment friendly:** Portion of weber bloksetplus 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.

## Recommendation

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

**Health & Safety:** weber bloksetplus 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.

**Disclaimer:** Information on this datasheet is to be treated as guideline for usage. Users are advised to undertake a trial for product suitability prior to it's full scale usage. There is no express or implied guaranty/warranty for the results. The company is not liable for any consequential damages.

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## TECHNICAL PARAMETERS#

testing parameters @ 27 deg C

Appearance	Grey powder
Bulk Density	1.40 - 1.50 gm/cc
Pot Life	120 minutes
Open Time	10 -15 minutes
Setting time full wall - 1 day	chiseling / conduiting after 48-72 hours
Compressive strength @ 28 days	> 6 Mpa
Tensile splitting strength	>0.5Mpa for 2mm at 28 days * valid for 80% transfer of material
Initial setting time	350 - 450 minutes
Final setting time	450 - 550 minutes

## Directions for Use

### Surface preparation

- No pre wetting of the blocks\*as per climatic conditions 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 2.5 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 bloksetplus on the block with help of trowel, spread mortar uniformly on the unit.
- Use appropriate tool for good transfer and firmly place the block with slight shear to ensure good transfer & bonding.
- Weber bloksetplus 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 2mm to take care of the undulation in the blocks as well as to ensure minimum 80% transfer leading to good bonding strength.
- \*Incase of high temperature pre-wet the blocks.

### Consumption

For 2mm bed thickness, coverage of 3.5- 4 kg/sqm. The coverage will vary depending on surface conditions.

### Shelf Life

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