



Product Description

Perlcon BLOCK BOND HDS is heavy density, self curing, sand base ready mix masonry mortar for AAC/CLC & concrete blocks.

Perlcon BLOCK BOND HDS provides ideal bond to AAC/CLC/CONCRETE block walls. **Perlcon BLOCK BOND HDS** is made from cement, graded sand and polymeric additives which helps in providing mechanical bond as well as excellent adhesion between the blocks.

Key Features

- **Self Curing:** No need of post curing which saves critical resource like water.
- **Improved Workability:** Due to polymeric and graded sand it results into more open time.
- **Cost effective:** **Perlcon BLOCK BOND HDS** is heavy density mortar which not only gives 10-15 % more coverage but also costs less per sqm. than other heavy sand based mortars.
- **Higher mechanical strength to AAC/CLC/CONCRETE blocks:** Excellent bonding of blocks.
- **Withstand hammering and chiseling:** **Perlcon BLOCK BOND HDS** can withstand the hammering and chiseling as per standard masonry practices.
- **Ideal setting time, longer pot life.**
- **Less wastage.**

Recommendation

It is recommended for fixing AAC, CLC, Concrete blocks.

TECHNICAL PARAMETERS#

testing parameters @ 27 deg C

Bulk Density	1.40 - 1.60 gm/cc
Water Demand	20 - 22 %
Pot Life	Approx 150 minutes
Open Time	10 - 15 minutes
Compressive strength @ 28 days	> 8 Mpa
Tensile splitting strength	>0.8 Mpa for 3mm at 28 days
Initial setting time	165 - 200 minutes
Final setting time	275 - 360 minutes
Appearance	Grey powder

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 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

- Take a clean pot containing potable water with 22% the weight of Blockbond (1 kg Blockbond : 0.22 lit water). Slowly mix and knead to form a homogeneous paste preferably using a mixer machine.
- Let the mixture stand for 10 minutes, Mix again for perfect blending without adding water.
- Do not attempt to extend the pot life by adding more water to the mixed adhesive.

Application Methodology

- Lay well mixed **Perlcon BLOCK BOND HDS** on the block with help of trowel, spread mortar uniformly on the unit.
- Use notch trowel for good spread and firmly place the block with slight shear to ensure good transfer & bonding.
- **Perlcon BLOCK BOND HDS** 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.

Consumption

For 3mm bed thickness, coverage of 32 - 35 Kg per. m³ of masonry or 4 - 4.5 Kg/Sq meter for 100 mm masonry.

The coverage will vary depending on surface conditions.

Note:

- Minimum thickness to be applied is 3mm to take care of the undulation in the blocks as well as to ensure minimum 90% spread leading to good bonding
- Plastering can be done at construction site as per standard masonry
- practice generally after 4 days, conduting and chiseling can be done generally after 5 days.
- Shuttering has to be placed gently without impacting the block wall. Coping is to be done 5 days after block work

Pack Size: 30 kg & 40 kg

Shelf Life

12 months from the date of manufacturing in a sealed condition.
Store in a cool dry place.



Health & Safety: **Perlcon BLOCK BOND HD** is non-toxic. Use of gloves and goggles is recommended.

: Pot life, open time and adjustability time varies depending on the service conditions viz temperature, humidity and wind facto r.

: These are typical test values obtained during our laboratory tests. Site mixes may show slight differences in performance due to method of application.

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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