



Product Description

Perlcon BLOCK BOND HD is low density, self curing, sand free ready mix Masonry mortar which is fully compatible with AAC block properties.

Perlcon BLOCK BOND HD provides ideal bond and offers thinner masonry joints to AAC block walls.

Perlcon BLOCK BOND HD is made from cement, natural minerals 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.
- **Minimized shrinkage:** **Perlcon BLOCK BOND HD** is a thin bed, non shrinkage polymerized mortar, 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.
- **Cost effective:** **Perlcon BLOCK BOND HD** is low density mortar which not only gives 40% more coverage but also costs substantially less per sqm. than heavy sand based mortars.
- **Comparable mechanical strength to AAC/CLC blocks:** Excellent bonding of blocks.
- **Ideal setting time, longer pot life.**
- **Less wastage.**
- **Withstand hammering and chiseling:** **Perlcon BLOCK BOND HD** can withstand the hammering and chiseling as per standard masonry practices.

Recommendation

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

TECHNICAL PARAMETERS#

testing parameters @ 27 deg C

Bulk Density	1.10 - 1.15 gm/cc
Water Demand	30 - 32 %
Pot Life	Approx 90 minutes
Open Time	10 - 15 minutes
Compressive strength @ 28 days	> 7 Mpa
Tensile splitting strength	>0.6 Mpa for 3mm at 28 days
Initial setting time	160 - 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 mortars 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 32% the weight of Blockbond (1 kg Blockbond : 0.32 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 HD** 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 HD** 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 22 - 25 Kg per. m³ of masonry or 2.5 - 3 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 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.
- Shuttering has to be placed gently without impacting the block wall. Coping is to be done 7 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.

Manufactured by: Perlcon Premix Pvt. Ltd. **Registered office:** 302 Akshay, 53 Shrimali Society, Navrangpura, Ahmedabad 380 009, Gujarat, India.

Email: info@perlcon.com **Website:** www.perlcon.com **Contact no.:** 079 40246246, **Hiren:-** 987989266, **Sanjay:-** 9924724100, **Pravin:-** 9850372039, **Ajay:-** 8519000041