# PC-Conbond® Block

**Polymer-modified concrete block fixing adhesive**

**PC-Conbond® Block** is a non-refractory mortar specifically formulated for securing masonry units like AAC blocks. This mortar blend, consisting of cement, fine sand, and polymeric additives, fosters robust adhesion and long-lasting durability between the blocks.

## FEATURES

- Self-curing mortar, when utilized with **PC-Conbond® Block**, eliminates the need for post-curing on fixed blocks.
- This ready-to-mix solution requires the addition of water at the site according to the specified mixing ratio.
- Its extended pot life minimizes on-site wastage and allows for the efficient mixing of substantial material quantities.
- Facilitating strong bonding between blocks and cementitious surfaces.
- Simple application process.
- Cost-effective.
- Ensures uniform quality.
- Capable of with standing activities like hammering, electrical work, chiseling, and framing, aligning with standard masonry practices.
- Accelerated wall construction pace - completion of a full wall in 2-3 days, subject to adhesive thickness.

## PRODUCTS PROPERTIES

| Physical Properties | Typical Value |
|---|---|
| Colour | Grey powder |
| Density | 1.45 - 1.55 gm/cc |
| Compressive strength @ 28 days | > 7.5 Mpa |
| Pot Life | 60 minutes |
| Open Time | 5 - 10 minutes |
| Tensile splitting strength | > 0.3Mpa for 4mm at 28 days valid for 90% transfer |
| Initial setting time | 350 - 450 minutes |
| Final setting time | 450 - 550 minutes |

## CONSUMPTION

For a bed thickness of 4mm, the estimated coverage ranges from 7 to 7.5 kg/sqm. It is essential to acknowledge that the actual coverage may differ depending on surface conditions and irregularities within the blocks.

## USES

- Apply **PC-Conbond® Block** evenly on the block using a trowel, ensuring a well-mixed consistency.
- Utilize a notch trowel to spread mortar evenly on the unit and firmly position the block with a slight shearing motion to enhance bonding.
- Ensure thorough application of **PC-Conbond® Block** on both the block faces and the column and beam surfaces to promote strong bonding at the joints.
- Employ a rubber hammer to facilitate optimal contact between the blocks.
- Proceed with block placement using the a for mentioned technique to construct the wall systematically.

## SURFACE PREPARATION

- Pre-wet the blocks and allow them to dry until they are touch-dry before mortar application.
- Thoroughly clean the mounting surface to eliminate any laitance, loose debris, oil, grease, and other contaminants.
- Confirm that the surface is flat, structurally sound, and free from any substances that may hinder adhesion.
- Inspect the surface for any voids, cracks, or imperfections that could affect the bonding process.

## MIXING

- Blend 2.5 parts of powder with 1 part of water incrementally (by volume) and blend thoroughly for 5-10 minutes until a uniform paste consistency is attained.
- While mixing, diligently disintegrate any clumps to promote effective dispersion of the polymer in the mortar, enhancing the adhesive bonding strength with the blocks.
- Post-mixing, let the paste stand for 2-3 minutes for maturation before remixing to preserve the intended paste consistency.
- Refrain from extending the mixed adhesive's pot life by incorporating extra water.

## APPLICATION

- Apply a well-mixed **PC-Conbond® Block** onto the block using a trowel, ensuring even distribution of mortar on the unit.
- Utilize a notch trowel to spread mortar, then firmly position the block with a slight shearing motion to facilitate proper transfer and bonding.

## NOTE

A minimum thickness of 4mm is recommended to address block undulations and ensure a minimum of 90% transfer, thereby enhancing bonding strength. The application of **PC-Conbond® Block** should be carried out using a notch trowel. Plastering should follow standard masonry practices and typically occurs after 7 days, while sanding and chiseling can commence after 14 days. It is worth noting that the material used for outer block surface packing is of reduced thickness. Care should be taken to avoid rubbing on thinly applied layers, as this may result in powdering.

## DISCLAIMER

The information contained in this data sheet is intended as a usage guideline. Users are strongly recommended to conduct a trial to assess product suitability before full-scale implementation. Please note that no explicit or implicit guarantee or warranty is provided for the outcomes. The company shall not be held liable for any consequential damages.

- **PC-Conbond® Block** should be administered on the block faces, columns, and beams, ensuring application on both surfaces and blocks for optimal joint bonding.
- Enhance block contact by using a rubber hammer.
- Proceed with block placement following the aforementioned technique to construct the wall efficiently.

## SHELF LIFE

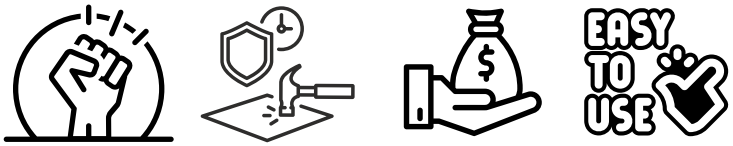
The product maintains its quality for 12 months from the manufacturing date when stored in a sealed condition. It is advisable to store it in a cool, dry location.

## PACK SIZE

40 kg

## HEALTH & SAFETY

**PC-Conbond® Block** is a non-toxic product. It is advisable to utilize gloves and goggles during its application. If any splashes occur on the skin or eyes, promptly rinse with clean water. In cases of persistent irritation, seeking medical guidance is recommended. It is important to note that PCWC r components are non-flammable.




ISO 9001 CERTIFIED

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**TECHNICAL DATA SHEET UPDATED IN SEPTEMBER 2020**
**TDS/PC-CONBOND® BLOCK/20**