

PRODUCT DATA SHEET

PRI BLOCKFIX



Product Description

PRI blockfix is a non-refractory mortar, used for laying masonry units like AAC blocks. It is a self-curing mortar made from cement, selected fine sand and polymeric additives, which ensure good bonding and durable strength between the blocks.

Key Features

- Self-curing mortar does not require post curing on blocks fixed with PRIBlockfix.
- Ready to mix - water to be added at site as per the mixing ratio.
- Long potlife reduces the wastage at site, at same time large quantity of material can be mixed.
- Good bonding between the blocks and cementitious surface. Easy to apply. Economical in use.
- Consistent quality material.
- Able to withstand hammering, electrical conducting, chiselling and framing done at construction site as per standard masonry practice. Wall construction speed - Full wall 2-3 days depending upon the adhesive thickness

Recommendation

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

TECHNICAL PARAMETERS

testing parameters @ 27 deg C

Appearance - Grey powder

Bulk Density - 1.45 - 1.55 gm/cc

Pot Life - 60 minutes

Open Time - 5- 10 minutes

Compressive strength @ 28 days - > 7.5 Mpa

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

Directions for Use

Surface preparation

- Pre wet the blocks and ensures it is touch dry before 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 respective surface should free from voids, holes and cracks. Mixing
- Gradually add 2.5 parts of powder to 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.



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Application Methodology

- Put well mixed PRiblokfix on the block with help of trowel, spread mortar uniformly on the unit.
- Apply notch trowel on the mortar and firmly place the block with slight shear to ensure good transfer & bonding.
- PRiblokfix 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: 40 kg

Note

- Minimum thickness to be applied is 4mm to take care of the undulation in the blocks as well as to ensure minimum 90% transfer leading to good bonding strength.
- Notch trowel to be used for the application of PRiblokfix.
- Plastering can be done at construction site as per standard masonry practice generally, after 7 days, conducting and chiselling can be done generally after 14 days. Material used for packing on the outer block surface is of lower thickness. Rubbing on applied thin thickness may cause powdering.

Consumption

120sq.ft. on 3 mm thickness / 40 kg bag. The coverage will vary depending on surface conditions and undulation in blocks.

Shelf Life

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