## Product Description:

Ready to use grey cement based non-shrink, self- curing mortar for fixing AAC blocks, fly ash bricks etc.

## Advantages:

- Ready to use, only water to be added.
- Thinner jointing material with very high tensile adhesion strength improving the overall masonry strength.
- Better bond than conventional cement based mortar
- Faster to apply due to good spreadable properties.
- Excellent high strength & water retention properties
- Economical as quantity of mortar is less than conventional mortar
- Self-curing.

## Application Instruction:

## Substrate:

The substrate must be structurally sound, free from laitance, clean and free from dirt, oil, grease, loose or friable particles. The substrate must be in SSD condition prior to application of mortar.

## Mixing:

The recommend water/ powder ratio for KT Block Fix is 0.23 to 0.25. The maximum permitted water content per 40 kg bag is 9.0 to 10 Ltrs. The material should be mixed mechanically using a slow speed drill & paddle to bring it to uniform consistency. Its recommended to add two third quantity of water in the mixing drum and pour mortar powder slowly. The balance water shall be added in end. The material shall be mixed for minimum 3 minutes to get a homogeneous consistency.

## Application:

KT Block Fix must be mechanically mixed using a forced action mixer or in a clean container using a drill and mixing paddle (< 500 rpm). A normal concrete mixer is not suitable. Mix thoroughly with clean water for a minimum of 3 minutes. Leave material to stand in container until the majority of bubbles have dispersed (minimum 5 minutes).Then remix the material for 15 seconds - the product is now ready for use.

If the substrate is very porous, if the temperature is high and/or the relative humidity low, it is advisable to dampen the surface. Do not leave any standing water.

Apply a thin uniform Layer of KT Block Fix 2 to 3 mm thick on the clean & levelled surface of masonry units using proper trowel Place the next course of masonry units on evenly jointing mortar bed in proper line & level. Each masonry unit shall be properly bedded and set in position by gently pressing with handle of trowel.

Inside unit of the masonry unit shall be applied with mortar before the next unit is laid & pressed against it especially in case of bricks. Clean the excess material, if any immediately. Continue the procedure for the entire masonry work.

Do not disturb the blocks /bricks setting for first 24 hours.

**Technical Specification**

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| Chemical Base | : | Cementitious mortar modified with polymers |
| Density | : | 1.32 ± 0.03 gm/cc |
| Appearance/Color | : | Grey Colour Powder |
| Compressive Strength | : | > 7.0 N/mm² @ 28 Days |
| Tensile Adhesion Strength | : | 0.6 N/mm² |
| W/P Ratio | : | 0.23 – 0.25 |
| POT Life | : | 80 – 90 Minutes |
| Layer Thickness | : | 3 – 5 mm |
| Application Temperature | : | 5°C and +35°C |

## Packaging & Consumption:

40 kg Bag, 3 - 4 kg powder required / Sqm for 3 mm average thickness

## Shelf Life And Storage:

Best before 12 months if stored properly in undamaged and unopened original sealed packaging

## Health & Safety measures:

For more information and guidance of safety, storage and disposal of chemical products, customers should refer to the updated data sheet of the product which contains all the details of physical toxicological, ecological and other safety related data.

## Important Notes:

The information, and, in particular, the recommendations relating to the application and end-use of KT Chem products, are given in good faith based on KT Chem current knowledge and experience. The user of the product must test product's suitability for the intended application and purpose. KT Chem reserves the right to change the properties of its products. Users must always refer to the most issue of the local product data sheet for the product concerned, copies of which will be supplied on request.