

RENDERCON® 'Super' – *Integral admixture for cement mortar. Imparts Self-Curing, Crack Resistance, Shrinkage Control and Integral Waterproofing. Works with high-fine crushed sand also. For brick-binding, plastering, tile mortar bed.*

APPLICATIONS

Brick Binding Mortar



- Very High Crack Resistance
- Near Zero Shrinkage
- No Curing required
- Resists dampness
- Improves Comp. Strength
- Improves Bond Strength
- Provides water-proofing
- Works even with high fines
- Suits ceiling plaster also
- Internal & External plastering

Plastering



Tile Mortar Bed



- For both floors & walls
- Near Zero Shrinkage
- Resists hollowness
- Resists dampness

AAC Blocks



All mortar in AAC blocks have to be self-cured to avoid cracking. RenderCon 'Super' shall be used in brick binding and internal plastering. For best results, in external plastering use RenderCon '5S'.

Repair Mortar



- ✓ Crack Repair
- ✓ All other repair mortar
- ✓ No curing required
- ✓ Integral Water-proofing

Alternately use RenderCon '5S', if Hydrophobicity is desired, especially while repairing dampness / external walls.

BENEFITS

Curing Eliminator



Save water, electricity and supervision on policing curing.

Eliminate any defects due to delayed curing.

Crack Free Walls & Defect Free Tiles



Uses Latest technology on controlling drying shrinkage.

Resists cracks, spalling in walls and hollowness in tiles.

River Sand Eliminator



Promotes use of Crushed Sand. 150 microns passing up to 40% can be used in all applications.

River Sand, if desired for use shall be free from clay.

Water Proofing



Imparts integral water-proofing to all your mortar.

Resists dampness in walls and tiles.

Time Saver



Eliminating curing saves time to expedite next works.

Putty/POP/painting can be done on the 5th day.

MIX PREPARATION (common for all applications)

2 Component Admixture



RenderCon 'Super' sachet contains 2 pouches inside. 1 Liquid and 1 Powder, both shall be used together.

Dry Mixing (Cement + Sand + Powder)



Mix cement and sand as received and sprinkle the Powder from the Pouch (labelled P) over this mixture. Mix it until it is homogenous.

Add Liquid Pack to Mix Water



Pour contents of Liquid pack into the mix water. Rinse the liquid pack well to empty all its constituents. Mix this water with the dry mix prepared as detailed above. Add additional water if required

Mix the wet mortar well in one go

Ensure the whole mortar is mixed in go. All the mortar shall be homogenous in color to ensure that the admixture is dispersed well into the mortar.

Increase mix time with the masons by 5-10 mins every time mix is made.

BENEFITS

Safe for Use



No safety hazard to masons, unlike masonry fibers, which usually pose cut hazard.

Use Local Cement and Crushed Sand



Use OPC / PPC cements of any brand. Use locally abundantly available crushed sand. 150 microns passing up to 40% is allowed.

Dosage



Use 1 Sachet for every bag of cement (50 Kg).

Use a full sachet even if cement quantity is less than 50 Kg.

Mason Friendly



Use 1 Sachet every time a mix is made of 1 bag of cement or less.

Usually mixed manually or alternately with mixers.

Reduces rebound of mortar while application.

Mix Ratios (Use your spec, if defined)

1:4

Brick Binding: 1:6

1:5

Plastering: 1:4 to 1:6

1:6

Tiling: 1:4

All Repairs: 1:4

Policing Required



Supervise the mixing only, at least till first few months. Emphasize importance of mixing with masons to avoid defects.

No supervision required for curing etc.

APPLICATION (BRICK BINDING & PLASTERING)

No special procedures needed; however here are some tips:

Brick Binding Mortar



Mix mortar quantity that can be consumed in 4 hrs.

Even if cement less than 50Kg is used, use 1 full sachet of Super.

DOs & DON'Ts

Consume in Time



Mix 1 cement Bag mortar once. Many cement bags mixed at once will cause non-uniform mixing of admixture. Consume mixed mortar in 4 hrs.

Plastering



Can be applied manually or spray applied. Keep mix semi-dry (just wet) to avoid creep (slippage) cracks in manual application.

Retemper by water



Water may be added into the mixed mortar to improve workability.

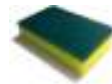
To improve surface finish, mix more water in the remaining mix and apply on the top surface. Essential when sand is grainy.

Junctions, Electrical Conduits etc.



Use scrimming with mesh (8" preferred) for change in backgrounds (Ex: Beam-column-wall junctions). Use mortar prepared with 'Super' for fixing such mesh. Alternate techniques to address this may also be used.

Sponge / Float / Broom finish



Depending on preference, use sponge / float / broom for final finish.



Seal Electrical Conduits, gaps in bricks etc with the same mortar prepared with 'Super'.

In both above cases, leave a time interval of 3 days before plastering.

Apply up to 40mm in Single Coat



For best results, apply all your plaster in single coat. Multiple thin coats will have high shrinkage. Never use any coat less than 10mm thick.

Adjust Suction Before Plastering



Masonry: Use spatter-dash (Cement + water slurry).

Concrete: Hack the surface well. Use spatter-dash or dash dry cement on the concrete surface to improve suction and bonding. Alternately, bonding agents may be used.

No dry cement spray on surface



Do not spray / add additional cement on to the top surface of the plaster to improve surface finish or make corners / edges sharper.

This causes dusting and weak top surface. Instead little more water can be sponged and finished with steel float.

FLOOR TILES / WALL TILES

Mix 2 bags max in a batch for Tile Bed



Not mix more than 2 bags in a single batch. 1 Sachet per 50Kg cement shall be used.

Mix as many batches as needed side by side. Ensure admixture is well dispersed evenly in each batch.

Work Water Sheen on top of bed



When compacted, the mortar bed has to show up shine (slight water sheen).

Thick Cement Water Slurry



Slurry to pour above the tile bed to stick the tiles shall be thick enough but flowing. Use 1 sachet 'Super' for 1 bag of cement (50Kg).

Add more loose cement to make it thicker. Stir it well before drawing for each use.



Stick tiles and complete tiling in less than 5 hours of mixing tile bed mortar.

REPAIRS

Do not follow the pattern of the Crack



Do not chip cracked surface following the pattern of the crack.

Instead chip-off as a rectangle to fill it better.

Many Cracks in the wall - Replaster



If the surface has crazed heavily or has multiple cracks / defects, it is better to replaster it.

Follow the same procedure for plastering as described in previous section.

Dampness



If 'Super' is used in all mortar along with best construction practices during construction, dampness can be eliminated.

However, for repairs, we recommend RenderCon '5S'.

For details, Please refer Technical Datasheet of RenderCon '5S'

AVENUES FOR SAVING COSTS USING RENDERCON 'SUPER'



Use crushed sand of your choice. RenderCon permits 150 microns passing up to 40%.



Use Single Coat plaster instead of 2 coats. Save on labour and material wastage.



Lot of money is spent on curing. Curing is not required on mortar using RenderCon products.



Avoid Repairs and Reworks. Mortar unless treated well, costs heavily for repair.

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