

RENDERCON[®] 'Super' – *Self-Curing Additive for cement mortar. Imparts Self-Curing, Integral waterproofing, Scratch Resistance, Crack Resistance and Shrinkage Control. Works with high-fine crushed sand also.*

APPLICATIONS

Brick Binding Mortar



- Very High Crack Resistance
- Near Zero Shrinkage
- No Curing required
- Resists dampness
- Improves Comp. Strength
- Improves Bond Strength

Plastering



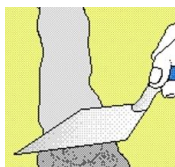
- Provides water-proofing
- Works even with high fine crushed sand.
- Suits ceiling plaster also
- Internal & External plastering
- No changes in application procedure is required.

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



Uses Latest technology on controlling drying shrinkage.

Resists cracks, spalling and hollowness in walls.

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.

Integral Waterproofing Admixture



Reduces mix water and there by reduction in w/c ratio.

Resists dampness in walls.

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 Additive



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 additive 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 additive. 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.

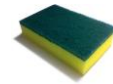
To improve surface finish, mix more water in the remaining mix and apply on the top surface. Essential when sand is grainy.

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 excess cement on to the top surface of the plaster to improve surface finish or make corners / edges sharper.

This may cause dusting and weak top surface. Use limited cement on top surface only in unavoidable circumstances.

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.

The information given is based on data and knowledge considered to be true and accurate and is offered for the user's consideration, investigation and verification. Since the conditions of use are beyond our control, we do not warrant the results to be obtained.