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Fiber Cement Boards/ Panels

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www.xylopaints.com



Advantages of Cement Boards and Panels

- Light weight
- Quick installation
- Lesser number of joints
- Available in various sizes and thickness
- Re-usable
- Exterior grade



Challenges for FCBs/ Panels

- Rusting of Steel structure in PEBs
- Hair line cracks between the panels / boards.
- The gap between the ceiling and EPS Panel.
- Unable to paste ceramic tile on the panels / boards.
- Cracks on the corners joining FCB/ CPB, etc. and civil structure.
- Unable to repair broken corners in sandwich panels.
- Lot of wastage of cut panels which is costly to dispose off.
- Unable to remove the undulation from the surface.
- Unable to hide the repairs.
- Tile pasting on FCB/CPB etc.

All these challenges can be addressed by
using the following :



Magic Xp -
Elastomeric Paintable Putty/
Plaster



Leak Proof Part One (LPPO)
(For finer voids)



Leak Proof Part Two (LPPT)
(For bigger voids)



Tilo -
Polymerized Tile Adhesive



Fill O Crack -
Grout and crack filler



Rusto -
Rust Inhibitive Primer

1. Why do cracks happen?

Cracks happen because of thermal fluctuations. The material should have a good coefficient of thermal expansion and contraction.

2. What are the basic qualities/parameters required to address the challenge of cracks?

The product should have the following characteristics:

- Excellent Adhesion
- Elastomeric Properties
- Indentation Resistant
- Hydrophobic Properties
- Film – Formation Properties
- Homogeneity of the various material used

3. How to check whether a product qualifies on these parameters?

1. Take a sheet of paper.
2. Apply Magic Xp on that paper and allow it to dry completely.
3. Apply the second coat to get an even and smooth finish.

It should be checked as follows:

- Flex the sheet from both sides.
- Move your palm over it, if the surface is smooth.
- Tear the paper from the sides to check on the adhesion.
- Pour water and move your fingers over it to check if any particles are coming out.

4. Why do we see bubbles like this?

Magic Xp has not been allowed to dry and impregnate completely. The voids inside has got heated and push the material out.

5. How do we correct this?

Scrap the rough portion with a dry blade and apply one more coat of Magic Xp.

6. How do we ensure that this is not repeated?

Allow each coat to dry and impregnate completely.

7. Why do you say no primer is required?

Magic Xp is hydrophobic and hence it will not absorb the paint.

8. How do you ensure that the viscosity of the product remain the same?

The viscosity at the time of manufacturing is retained for a period of six to eight weeks. However, it gets thickened later as the chemical retains the water within the compound. In such a case, you may add 500 ml to 1 ltr. of water in a 20 Kg bag and mix it properly

9. What is the shelf life?

The shelf life is 18 months.

10. What is the pot life?

The pot life is generally 3 hours. However, should the top layer gets dried up, you may sprinkle water and mix the compound and make it usable.

Application Procedure Of Magic Xp–Elastomeric Paintable Plaster on FCB/Panels

1. Fix the boards/panels giving a gap of 3 – 5 mm between the boards. Ensure that there is support on every joint - vertical and horizontal as well in the boards.
2. Fill **Magic Xp- Elastomeric Paintable Putty** completely in the joints and allow it to dry completely for six hours. You will observe that the material has sunk in. Apply one more coat of **Magic-Xp**.
3. Apply **Magic Xp** over two inch area in the joints.
4. Fix fiber tape over the wet **Magic Xp** surface and remove the excess material by pressing the hard blade over it. Allow it to dry completely.
5. Apply two thin coats of **Magic Xp** across the board to get a smooth , even and a seamless surface.
6. Do not sand the surface unless very essential. Should you sand the surface, apply one more coat of **Magic Xp** in that area.
7. Scrap the entire surface to remove any thin film formed with a blade or a dry 320 no. emery paper. No need to apply any primer.
8. Paint the surface with XYLO's PREMIUM EMULSION only.
9. Do not apply any other putty on the **Magic Xp**.
10. Do not apply any emulsion with lower amount of compatibility. (Use Emulsion costing you more than Rs. 250/- per ltr.)

Rate analysis on Cement boards/panels

Particulars	Material Cost	Coverage – Boards	Cost/sq.ft.	Coverage – Panels	Cost/sq.ft.
Jointing & Taping *	Rs. 2,500/- (20 Kg)	1000 sq.ft.	Rs. 2.50	400 sq.ft.	Rs. 6.50
Two Coats as Putty	Rs. 2,500/- (20 Kg)	300 sq.ft.	Rs. 8.50	300 sq.ft.	Rs. 8.50
Spade (Interior Premium Emulsion)**	Rs. 5,500/- (20 Ltr)	1500 sq.ft.	Rs. 3.50	1500 sq.ft.	Rs. 3.50
Labour			Rs. 10.00		Rs. 10.00
Total Cost			Rs. 24.50		Rs. 28.50

*** You may use NO CRACK for Jointing & Taping**

No Crack	Rs. 1,750/- (20 Kg)	Coverage Board- 1000 sq.ft. Panel- 400 sq.ft.	Cost/sq.ft Board- 2.00 Panel- 4.50

*** You must use Weather Touch- Antifungal Emulsion for exteriors**

Weather Topuch- Antifungal Emulsion	Rs. 7,000/- (20 Ltr)	Coverage Board- 1500 sq.ft. Panel- 1500 sq.ft.	Cost/sq.ft Board- 5.00 Panel- 5.00

The above rates are exclusive of GST.

“First Time Right”

Magic Xp in combination with
AAC Bond | Spade | Weather Touch
addresses all these challenges
effectively and efficiently.



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