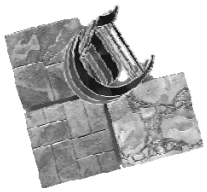
Reinforcing Mesh

Glass Fiber Reinforcing Mesh for CCC Base Coat



DESCRIPTION • Alkali-resistant, specially woven glass fiber mesh is embedded in CCC's base coat to provide impact resistance strength to insulation foam boards. Strength is proportional to the weight of the mesh used.

USES • Fiberglass mesh is embedded in CCC's base coat, ***FoamFix XT***, to provide impact resistance strength, continuity of surface, and crack resistance. The level of impact resistance strength depends on the weight of the fiber mesh. The following recommendations serve as a general guideline:

- **HD 20***: A 570 gm (20 oz.) mesh recommended for all ground floor and high traffic area applications where the maximum impact resistance is required.
- **HD 15***: A 430 gm (15 oz.) mesh recommended for all ground floor and medium traffic area applications where medium to high levels of impact resistance is required.
- **Intermediate**: A 340 gm (12 oz.) mesh recommended on second story and above where added protection from medium amount of traffic is required, such as balconies and walkways.
- **Standard SD***: A 206 gm (7.3 oz.) mesh recommended on second story and above where added protection is required.
- **Standard MD**: A 150 gm (5.3 oz.) mesh recommended where only low levels of impact might occur but no abuse from ladders, machines, or window washing equipment is expected. Typically second story or above.
- **Standard**: A 125 gm (4.4 oz.) mesh recommended for all applications where no abuse from people or machines is anticipated such as second story areas and above.
- **Detail Roll**: A 120 gm (4.3 oz.) mesh for special shapes and irregular detail work.
- **Edge Profile w/ mesh***: A 90° PVC edge profile with attached mesh for additional impact resistance and clean, crisp outside corners.

* Must be installed under Standard MD or Standard Mesh.

COVERAGE • Reinforcing meshes (except HD 15 and HD 20) must be over-lapped a minimum of 70 mm at all edges. The edges of HD 15 and 20 Mesh must be abutted tightly. An additional layer of Standard or Standard MD Mesh must be applied over the entire area where HD 15 and HD 20 have been installed. Except for the Detail Roll mesh, all rolls are 1 m x 50 m in size. The Edge Profile is 2.5 m long with a 23 mm x 23 mm L-shape profile and a 10 cm fiber mesh extending on each side.

APPLICATION • All insulation board irregularities greater than 1.6 mm must be sanded flat prior to base coat/reinforcing fabric application. Apply the ***FoamFix XT*** base coat to the entire surface of the insulation board. Fully embed the reinforcing fabric in the wet base coat by troweling over the mesh from the center to the edge of the reinforcing fabric in order to eliminate any wrinkles. Insure that the reinforcing fabric is continuous at all corners and lap or butt in accordance with CCC's recommendations outlined above for particular mesh sizes. The base coat thickness must be sufficient to just fully embed the mesh – thickening the base coat is not recommended. For best results apply the base coat in two applications, with the second one applied after the mesh has been embedded in the first base coat application. Please refer to CCC's application instructions and recommendations for further details.

When installing HD 15 or HD 20 Mesh, apply the base coat to the entire surface of the insulation board at a uniform thickness not exceeding 3.2 mm. Embed the HD Mesh into the wet mixture as outlined above until the mesh is fully covered by the base coat. Insure that edges of adjacent HD Mesh pieces are tightly butted but not overlapped. Allow curing for a minimum of 24 hours and examine for projections or irregularities; correct as necessary to produce a flat surface. Install a layer of Standard or Standard MD Mesh as outlined above.

SPECIAL CONDITIONS AND RECOMMENDATIONS •

- All areas requiring an impact resistance higher than standard, as defined by EIMA Standard 101.86 must be detailed in the drawings.
- All edges of the insulation board at window openings and at top and bottom of wall must be U-wrapped with reinforcing mesh embedded into the base coat before adhering to substrate.
- For easier application, place the fiber mesh such that its inside curl is facing the wall.
- Do not overlap Standard or Standard MD Mesh over the same location where an abutment of HD 15 or HD 20 Mesh might occur.

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