

Crete Mesh



Glass Fiber Reinforcing Mesh

Description

Crete Mesh is a high-quality alkali-resistant, specially woven glass fiber mesh for reinforcing masonry, base coats, and waterproofing coatings.

Uses

Crete Mesh is typically embedded in plasters, leveling coats, or waterproofing coatings to provide structural reinforcement, crack resistance, enhanced shear strength, and continuity of surface. Crete Mesh is available in several grades depending on the intended use; the following is intended only as a general guideline:

- Crete Mesh 105: A 105 g/sq m mesh that is ideal for reinforcing wall plastering due to its wide mesh size opening. Crete Mesh 105 is also ideal for reinforcing the Base Crete 100 Base and Leveling Coat in Deco Crete Wall Render Systems when applied on top of a field-mixed gray plaster, cement board, or gypsum board in order to enhance crack resistance and provide continuity of surface before application of the Deco Crete finish coat. Crete Mesh 105 may also be embedded in the base coat of various topping systems such as in Base Crete 200 or any Adhesive before application of GAC overlays and toppings, in order to enhance shear strength and reduce the chances of progression of cracks from the substrate to the overlay.
- Crete Mesh 160: A 160 g/sqm mesh with increased tensile strength for reinforcing the base coat of render and topping systems as described above and for reinforcing terrazzo floor systems. Crete Mesh 160 also meets the requirements of reinforcement for Exterior Insulation and Finish Systems (EIFS).

Advantages

- Alkali resistant – will not rust.
- High tensile strength.
- Excellent dimensional stability.
- Reduces propagation of cracks to the surface.
- Enhances shear strength.
- Provides a uniform and continuous surface.
- Easy to cut and work with.

Coverage

Reinforcing meshes must be over-lapped a minimum of 10-15 cm at all edges. Crete Mesh is available in 1 x 50 m rolls.

Limitations

Reinforcing mesh is intended for reflective crack risk mitigation only; no claims or guarantees may be given against complete elimination of cracks from the substrate reflecting on the topping or finish coat. For the reinforcing mesh to function properly, it must be sandwiched in the embedding material; never fix the reinforcing mesh to the substrate first then apply the embedding material.

Application

For easier application, place the fiber mesh such that its inside curl is facing the inside wall or the ground. Ensure that the reinforcing mesh is continuous at all corners and overlap a minimum of 10-15 cm. Sand down any surface protrusions that might cause the reinforcing mesh to wrinkle or warp. Do not overlap the mesh over the same location where discontinuity in the substrate might occur such as the edge of a cement board.

Reinforcing Gray Plaster: For best results, position Crete Mesh so that it is in the outer one-third to one-fourth of the thickness of the gray plaster layer.

Reinforcing Wall Base Coat: When applying Deco Crete renders or other colored stuccos over field-mixed gray plaster, it is highly recommended to first apply a layer of base Crete 100 reinforced with Crete Mesh in order to reduce the chances of crack propagation from the low-quality field-mixed plaster to the finish coat. In addition, reinforcement of the Base Crete 100 base is necessary for stucco installation over cement boards or other discontinuous substrates. Ensure that the substrate is structurally sound and rigid. Apply the Base Crete 100 base coat to the surface in a thin coat. Fully embed the reinforcing fabric in the wet base coat by troweling over the mesh from the center to the edges in order to eliminate any wrinkles. The base coat thickness must be sufficient to just fully embed the mesh – do not thicken. Immediately follow with a second thin coat of Base Crete 100 in order to just fully cover the mesh.

Reinforcing Floor Primers: When GAC overlays such as Micro Top 100 are to be applied to a concrete substrate of questionable quality, it is highly recommended to reinforce the Base Crete 200 primer coat with Crete Mesh in order to reduce the chances of hairline cracks propagating to the overlay's surface. In addition, use of Crete Mesh to reinforce the Base Crete 200 is highly recommended when applying on already installed tiles. Embed the fiberglass mesh into the first layer of Base Crete 200 while wet and trowel or back roll from center to edges in order to eliminate any wrinkles.

Reinforcing Waterproofing Coatings: After applying the first coat of the waterproofing material with a roll or brush, immediately embed the Crete Mesh fiberglass mesh into the wet coating and back roll to insure full submersion. After the first coat has dried sufficiently, apply a second coat of the waterproofing material as necessary to achieve the desired thickness and buildup.

Recommendations

- Overlap adjacent sheets of the mesh by a minimum of 10-15 cm.
- When Crete Mesh is embedded in a base coat for later application of a thin finish coat or stucco, make sure that the mesh is adequately embedded in and covered by the base coat in order to avoid ghosting of the mesh through to the finish coat.
- Always apply the first coat of material before placement of the mesh; pre-installation of the mesh on the substrate prior to application of the coating or base coat could result in dry spots between the mesh and the substrate.
- Do not overlap the mesh over the same location where a crack or joint exists in the substrate.

Our recommendations concerning the technical application of the product, whether through oral or written communication or through demonstration, are given to the best of our current knowledge; however, any such instruction shall be without commitment, including where any protective rights of third parties are involved. They do not free you of the obligation to check the products supplied by us for their suitability for the procedures and applications envisaged. The (intended) use and application of the products are beyond our control. They are therefore your personal responsibility. In the event that GAC proves liable, such liability shall be limited in all cases of damage to a sum not exceeding the actual value of the goods supplied by us and used by you. It goes without saying that we guarantee the good quality of our products, in accordance with the standards set out in our General Terms of Sale and Delivery.