



# TECHNICAL DATA SHEET

## I.S. REINFORCING MESH™

Glass Fiber Mesh for Infinity System  
DS462

### Description

Shall be a balanced, open-weave glass fiber fabric treated for compatibility with other system components.

### Uses:

When embedded in the base coat mixture, the glass fiber reinforcing mesh provides continuity of surface to resist cracking and to increase impact resistance. The following guidelines are suggested:

**I.S. Reinforcing Mesh:** Specially coated for long-term alkali resistance.

Recommended for flat wall applications. Shall weigh a minimum of 5 oz/yd<sup>2</sup> (0.169 kg/m<sup>2</sup>) and have a minimum tensile strength of 225 lbs/in (3.88 kg/cm) of width.

**Panzer 20 Mesh:** Recommended for all ground floor and high traffic area applications. (Must be installed under a layer of I.S. Reinforcing Mesh. Shall weigh a minimum of 20 oz/yd<sup>2</sup> (0.68 kg/m<sup>2</sup>) and have a minimum tensile strength of 550 lbs/in (9.8 kg/cm) of width.

**Corner Mesh:** Recommended for additional impact resistance and for clean, crisp arises; outside corners, and prefabricated panels. Shall weigh a minimum of 7.2 oz/yd<sup>2</sup> (.24 kg/m<sup>2</sup>) and have a minimum tensile strength of 274 lbs/in (4.9 kg/cm) of width.

**Detail Mesh:** Recommended for special shapes and irregular detail work. Shall weigh a minimum of 4.3 oz/yd<sup>2</sup> (.15 kg/m<sup>2</sup>) and have a minimum tensile strength of 150 lbs/in (2.6 kg/cm) of width.

### Coverage:

The reinforcing meshes (except Panzer 20) are lapped a minimum of 2 1/2 in at all edges. The edges of Panzer 20 Mesh are abutted tightly. A layer of I.S. Reinforcing Mesh must be applied over the entire wall using published application methods, when using Panzer 20 Mesh. Roll dimensions are as follows:

**I.S. Reinforcing:** 48 inches x 475 ft<sup>2</sup> (118.5 lineal feet) (Gray in Color)

**Panzer 20:** 48 inches x 300 ft<sup>2</sup> (75 lineal feet) (Blue in Color)

**Detail:** 9 1/2 inches wide x 119 ft<sup>2</sup> (150 lineal feet) (Blue in Color)

**Corner Mesh:** 9 1/4 inches wide x 119 ft<sup>2</sup> (150 lineal feet). (Blue in Color)

### Application Procedure:

Prior to base coat/reinforcing fabric application, all insulation board irregularities greater than 1/16 in (1.5 mm) must be sanded flush. Apply the base coat to the entire surface of the insulation board. Fully embed the reinforcing fabric in the wet base coat troweling from the center to the edge of the reinforcing fabric so as to avoid wrinkles. The reinforcing fabric shall be continuous at all corners and lapped or butted in accordance with Dryvit's recommendations. The overall minimum base coat thickness shall be sufficient to fully embed the mesh. The recommended method is to apply the base coat in two applications. All areas requiring higher impact performance shall be detailed on the plans. The applications shall be installed in accordance with Dryvit's recommendations. When using Panzer 20 Mesh, apply the Dryvit base coat mixture to the entire surface of the insulation board at a uniform thickness not to exceed 1/8 in. Immediately

embed the Panzer Mesh into the wet mixture working from the center to the edges until the mesh is fully covered and not visible. Edges of adjacent Panzer Mesh pieces shall be tightly butted but not overlapped. After it cures (minimum 24 hours), examine for projections and correct them as necessary to produce a flat surface. A layer of I. S. Reinforcing Mesh shall be installed as described above.

### Conditions and Recommendations

All areas requiring an impact resistance higher than "standard," as defined by EIMA Standard 101.86, shall be as detailed in the drawings and described in the contract documents. All edges of the insulation board at system terminations must be wrapped with reinforcing mesh. The reinforcing mesh may be wrapped from the front side onto the studs at an opening or panel edge or the mesh may be attached to the substrate and wrapped onto the face of the insulation board from behind. Remember, all insulation board edges must be covered with the Dryvit base coat. It is recommended that the inside curl of the mesh be applied toward the face of the wall for easier application. When covering Panzer 20 Mesh, the 2 1/2 in lap of I.S. Reinforcing Mesh should not occur over the abutment of the two pieces of Panzer Mesh. Water vapor transmission analysis is recommended by Dryvit Systems, Inc. when over 50% of the total Dryvit wall area, within a given building story, utilizes Panzer 20 Mesh.

### Technical and Field Services

Available on request.

Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of Dryvit Systems, Inc. products as of the date of publication of this document and is presented in good faith. Dryvit Systems, Inc. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit Systems, Inc.

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