TECHNICAL DATA SHEET
SYSTEXX Tech FissNet 870 (Fissnet 70)

Glass fiber mesh fabric for the reinforcement of indoor walls and ceilings

Usage

SYSTEXX FissNet are non-slip, alkali-resistant glass fiber reinforcement fabrics that are embedded in conventional spackle compound or finegrained plaster. They are very fine and therefore invisible after embedding. They are used indoors on ceilings and walls and are ideal for reinforcing them: when renovating existing buildings, SYSTEXX FissNet glass fiber mesh fabrics can prevent surface cracks, in new buildings they can prevent cracks during the drying/construction phase. They also serve to prevent cracks on substrates where the materials are different and cracks could occur due to the different expansion with temperature fluctuations.
SYSTEXX FissNet glass fiber reinforcement fabrics, on the other hand, are not suitable for preventing construction-related and thermal deformations, ceiling deflections, creep cracks, etc.

Properties

The combination of material quality and weaving technique gives the fabrics high strength and stability against temperature fluctuations and humidity - properties required in most construction and industrial applications. SYSTEXX FissNet glass fiber reinforcement fabrics are resistant to chemicals and rotting, permeable to water vapour, breathable and toxicologically harmless.

Technical data / roll dimensions

Product	**SAP designation**	approx. **Weight** in g/m²	approx. **Width** in cm	**Length** in m	approx. **Mesh Size** in mm	**Tensile strength Warp | Weft** N/5cm
FissNet 870	SD.2140B / GG 196	67	100	50	2,5 x 2,5	>700 | >800

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Substrate preparation

Substrates should be dry, clean, smooth and stable. Remove old wall coverings and unstable paints and finishes. Fill cracks/ holes with a levelling compound. Pretreat absorbent substrates with a suitable primer. Remove any mold growth and treat in accordance with the relevant regulations.

In case of a later application of wallcoverings, more details are to be found in the table “Substrate / Preparation”.

Application

Cut the reinforcement mesh to length adding approx. 10 cm, and loosely roll up the drop. Make sure to avoid any sharp creases.

Apply spackle compound or finegrained plaster evenly with a notched trowel (4x4) to the prepared substrate. **Important**: The reinforcement mesh must always be embedded **in the upper third** of the overall coat thickness.

Embed the drops in the fresh coat by pressing them down firmly with a smoothing trowel. Start from the center and avoid any bubbles or creases. The mesh must lay tight around corners. Apply subsequent drops with an overlap of at least 10 cm. At joints or intersections (adjacent building structures), place at least 20 cm of mesh into the adjacent area.

Carefully press overlapping mesh into the corners and cut with a sharp-bladed cutter, using a smoothing trowel or similar as a guide. If necessary, press down again firmly.

Diagonal reinforcement is recommended around window and door corner areas. Use mesh strips with a width ranging between 20 and 30 cm.

After the mesh has been firmly embedded, apply a second coat of spackle compound or finegrained plaster wet-in-wet over the entire area. **Important**: The first coat must still be wet before applying the second coat – use the **wet-in-wet technique**. The thickness of the second coat must not exceed 50% of the first coat. Observe the instructions of the relevant spackle compound or plaster manufacturer.

Subject to the desired or required surface finish, trowel up the entire area to produce a smooth finish or decorate with paint or wall covering such as glass fiber wall coverings.

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Important notes

1. Storage

Store the rolls in a dry, clean place and, if possible, wrapped in foil and closed.

2. Handling

Do not apply with room and surface temperatures below +8 °C.
One drop = wall/ceiling height plus 5 – 10 cm. Trim off the excess neatly.

3. General information

a) Despite strict quality controls, occasional production-related defects may occur. These are indicated at the edge of the product and compensated for by adding 0.5 m to the role length. Complaints made after more than 10 drops have been hung cannot be accepted.

b) The use of glass fibers can irritate the upper layers of the skin, which can lead to irritation in sensitive people. Allergy-causing or even questionable substances are not used.

c) This information sheet does not claim to address every problem that may occur in practice. Therefore no obligation or liability may be derived from it. Users are obliged to use their professional judgment to assess the application based on the product's suitability and the substrate. Please comply with the relevant national building regulations. In case of doubt, please contact the technical advisory service at Vitrulan Textile Glass GmbH.

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