



## REINFORCEMENT FIBERGLASS MESH

### SMART 160 & SMART 160/10

#### USAGE:

The SMART fiberglass reinforcement mesh is employed for reinforcing insulation boards in facade insulation systems (SILS, ETICS). This polymer dispersion-coated reinforcement mesh helps prevent the formation of cracks on the reinforced finishing surface.

Fiberglass mesh	Weight (g/m <sup>2</sup> )	Mesh size (mm)	Roll (m <sup>2</sup> )	Pallet (rl)
SMART 160	160	4x4	55	33
SMART 160/10	160	4x4	11	125

#### BENEFITS:

Prevents crack formation on the reinforced finishing surface.

High mechanical pressure resistance.

Alkali-resistant.

Non-stretchable and tear-resistant.

Complies with ETAG-004 standards and is permitted for use in every facade insulation system.

#### INSTALLATION:

Applying the reinforcement mix properly is a crucial step in achieving optimal insulation board performance. Start by spreading the mix widthwise across the surface of the insulation boards. Make sure the mix's thickness represents approximately two-thirds of the intended final layer thickness for best results.

Next, lay the reinforcement mesh on top of the spread mix. Take special care to press the mesh flatly into the mixture, avoiding any wrinkles or folds that could compromise the integrity of the final layer. If any of the mix protrudes through the holes in the mesh, take a moment to evenly distribute it back onto the surface.

Subsequent panels should be placed in such a way that they overlap by about 10 cm, creating a uniform and well-secured layer. Once the mesh is laid out, go ahead and plaster over it to ensure that it is entirely encased in the mix.

It's important to note that the final thickness of the reinforced layer is not arbitrary; it is directly dependent on the type of reinforcement mix used. Always refer to the mix's specific guidelines to ensure you achieve the recommended layer thickness for maximum durability and effectiveness.

#### MATERIAL:

Polymer dispersion-coated fiberglass.

## Complete Guide for Handling, Storing, and Installing Insulation and Plaster Profiles SMART

By adhering to these guidelines, you can ensure the longevity and optimal performance of your insulation and plaster profiles SMART.

### STORAGE RECOMMENDATIONS

- **Positioning/Orientation:** Regardless of the type, profiles should always be stored horizontally to avoid deformation or any weakening of adhesive bonds.
- **Environment & Conditions:** A dry storage environment is crucial. Shield the profiles from prolonged exposure to sunlight, extreme heat, and mechanical disturbances. Maintain storage temperatures between -5°C and +40°C for optimal results.
- **Storage Duration:** Adhere to the maximum storage duration of 18 months for optimal shelf life.
- **Chemical Exposure:** Ensure the storage area is devoid of any aggressive chemicals or solvents that might degrade the profile's material.

### HANDLING & PRECAUTIONS

- **Protective Gear:** Always employ the right protective gloves and eyewear when managing and installing the profiles.
- **Safe Movement:** Utilize correct lifting and transport techniques to prevent unnecessary bending, dragging, or warping of the profiles. For bulk transportation, use a dolly or cart.
- **Tool Usage/Modifications:** For any adjustments or modifications, use clean, sharp, and sanitized tools to prevent potential damage or uneven edges.
- **Cleaning Protocol:** If the profile becomes dirty, clean it gently with a damp cloth and let it dry completely. Avoid using abrasive or corrosive cleaners.
- **Surface Preparation:** Before installation, ensure the surface is free from dust, grease, or any contaminants for better adhesion and longevity.
- **Environmental Conditions for Installation:** Always install the profile in conditions between +5°C and +40°C. Avoid installation during extreme weather conditions such as heavy rain, strong winds, or frost.

### WASTE MANAGEMENT

- **Material Waste:** Dispose of material remnants in compliance with EAK 101103 for old fiberglass materials or EAK 170904 for mixed construction and demolition waste. Proper waste disposal is essential for environmental sustainability.

### PRODUCT SPECIFICATIONS AND COMPATIBILITY

- **Material Composition:** Be aware of the specific materials used in the construction of the profiles, as this could affect its insulation capabilities, longevity, and suitability for specific projects.
- **Size and Dimensions:** Knowing the exact size and dimensions of the profiles can help in accurate planning and utilization.
- **Load-Bearing Capacity:** Some profiles might have a load-bearing capacity that should not be exceeded during installation or usage.