



### 3D WINDOW JOINT PROFILE WITH MESH SMART 435a

#### USAGE:

The 3D window joint profile is a state-of-the-art, tri-directionally flexible profile specifically designed to integrate with the composite thermal insulation systems of both window and door frames. Enhanced with specialized PUR tape, a hermetic protective membrane, and a reinforcing mesh, it is ideally suited for larger windows spanning over 2m<sup>2</sup>.

Profile	TPE strip width (mm)	Mesh width (cm)	Lenght (m)	Packaging (pc)
SMART 435	9	13	2.4	25

**COLOUR OPTIONS:** White, Ivory, Brown, Light Grey, Dark grey, Anthracite

#### ADVANTAGES:

**Damage Protection:** Safeguards window or door frames from mechanical harm and dirt during plastering.

**Crack Prevention:** Minimizes the risk of cracks developing.

**Flexibility:** Fosters a dynamic bond between the insulation system and window or door frames.

**Moisture Barrier:** The hermetic membrane effectively blocks cold and moisture, ensuring a sealed environment.

#### INSTALLATION:

**Preparation:** After the installation of insulation boards, the surface for the window joint profile application should be even and clean, free from grease, dirt, dust, soot, moss, and other contaminants. Clean the surface if necessary.

**Application:** Starting from the top, adhere the self-adhesive window joint profile, pressing firmly along its entire length.

**Mesh Integration:** Ensure the fiberglass mesh is fully embedded within the reinforcing compound mixture. Avoid exceeding the removal line of the plastic protective strip with plaster or finishing layers.

**Final Steps:** Once the plaster and finish have dried, carefully remove the plastic protective strip and any protective film on the window.

**Temperature Constraints:** Ensure the ambient temperature and surface temperature of the window or door frame are between +5°C and +40°C during application. For colder conditions, be aware of weaker initial adhesion and extended bonding time.

#### MATERIAL:

Profile is constructed from an alkali-resistant PVC material, augmented with a glass fiber reinforcement mesh that complies with the ETAG 004 standards

## 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.