



METAL CONNECTING PROFILE WITH FOAM TAPE SMART 645

USAGE:

The connecting profile offers a unique solution for water drainage from facade and prevents water infiltration behind the external side of the sill. Designed for metal sills with a side bend, it ensures the integrity of the insulation system at the connection point of the sill and facade.

Profile	Mesh Size (cm)	Lenght (m)	Packaging (pc)
SMART 645	10	2.0	25

ADVANTAGES:

Water Management: Unique solution for effective water drainage from facade.

Protection: Prevents water infiltration behind the external side of the sill.

Integrity: Ensures the integrity of the insulation system at the sill and frame connection.

Aesthetic Finish: Provides an aesthetically pleasing and perfectly straight finish for details.

Expansion Management: Allows sill expansion without subsequent cracking or splitting on the frame.

INSTALLATION:

Preparation: Ensure the sill's external side is dry and free from impurities.

Application: Adhere using the integrated foam tape, ensuring a firm bond.

Reinforcement Connection: Gently pull the mesh on the profile away from the insulation, and then coat the insulation's surface with the reinforcement compound.

Mesh Embedding: Firmly press the mesh of the drop profile into the compound, ensuring a smooth and even spread across the mesh areas.

Layering and Integration: Progressively cover the exposed mesh with the mixture. Remember to account for a 10 cm overlap when integrating with a fiberglass reinforcement net.

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.