



## FLEXIBLE SHEET METAL JOINT PROFILE SMART 642

### USAGE:

The Flexible Sheet Metal Joint Profile is an innovative solution developed for thermal insulation composite systems. It's tailored to provide a flexible bridge between the facade and the window metal, ensuring a seamless and durable connection.

Profile	Mesh Size (cm)	Lenght (m)	Packaging (pc)
SMART 642	10	2.0	20

### ADVANTAGES:

**Superior Finish:** Designed for easy crafting of a smooth and appealing structural facade.

**Subtle Design:** Once installed, the profile's vein is virtually invisible, offering a neat finish.

**Waterproofing:** Offers a complete waterproof connection, mitigating potential damage from moisture ingress.

**Versatility:** Particularly useful for joining smaller metal plates, enhancing structural integrity.

**Thermal Consideration:** The flexible design is adept at preventing cracks due to metal expansion and contraction resulting from temperature variations.

### INSTALLATION:

**Alignment:** Ensure the profile is securely fixed to the sheet metal, with the metal's edge fitting into the slot on the profile's reverse side.

**Compound Application:** To achieve an effective bond with the reinforcing compound, press the mesh attached to the sheet metal joint profile into the mixture. Evenly spread any excess compound that emerges through the mesh.

**Subsequent Coating:** Proceed to gradually layer the entirety of the mesh with the compound mixture. Note that when incorporating the profile with a fiberglass reinforcement net, it's crucial to maintain a 10 cm overlap for optimal performance.

### 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.