

Technical Specification – Warm Edge Spacer

TermoProfi Standard 2.0

PRODUCT DESCRIPTION

TermoProfi Standard 2.0 is a proven solution for projects where a balance between energy efficiency and cost-effective implementation is essential.

The spacer achieves a thermal conductivity coefficient (λ) of 0.29 W/m·K.

TermoProfi Standard 2.0 performs excellently in traditional window systems – both in new residential and industrial construction, as well as in renovation projects. It can be used in single- and double-chamber insulating glass units, and is compatible with PVC, aluminium, and wooden window systems.

The profiles can be cut using saws equipped with appropriately selected cutting blades and ultrasonically welded using machines adapted for this type of processing.

USAGE

The spacer is designed for the production of insulating glass units (IGUs) compliant with EN 1279.

Example IGU configurations using the TermoProfi Standard 2.0 warm edge spacer and low-emissivity coated glass, in accordance with EN 410:2011 / EN 673:2011:

- Single-chamber IGU (4-16Ar-4): = 1.1 W/m²K
- Double-chamber IGU (4-12Ar-4-12Ar-4): = 0.7 W/m²K
- Double-chamber IGU (4-18Ar-4-18Ar-4): = 0.6 W/m²K

Compatible with window and façade systems made of:

- PVC
- Wood
- Aluminium
- Aluminium with thermal break
- Wood with aluminium cladding



Recommended applications:

- Energy-efficient and passive windows
- Large-format glazing
- Patio and balcony doors
- Facades and curtain walls
- Renovation of buildings requiring improved energy performance

TECHNICAL SPECIFICATIONS

Material: FIBERTHERM composite (polymer + glass fiber)


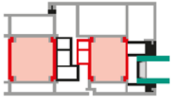
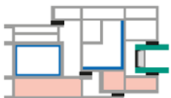


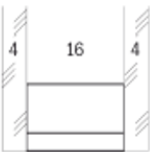

Operating temperature range within the IGU: -35 °C to 85 °C

UV resistance: Yes, in accordance with EN ISO 4892-2

Corrosion resistance: Yes

Thermal conductivity (λ): 0.29 W/m·K

Ψ -values for insulating glass units with TermoProfi Standard 2.0 warm edge spacer (according to ift Rosenheim WA-08/3 guidelines):

 IFT Rosenheim	 Metal with thermal break	 PCV	 Wood	 Wood/Metal
	0,049	0,039	0,040	0,043
	0,044	0,038	0,039	0,042



AVAILABILITY AND VARIANTS

Standard lengths:

- container 6000 mm +/- 10 mm
- box 5000 mm +/- 10 mm

Available sizes of profiles (+0,25/-0,10 mm):

- 6 (5,5 mm),
- 8 (7,5 mm),
- 10 (9,5 mm),
- 11 (10,5 mm),
- 12 (11,5 mm),
- 14 (13,5 mm),
- 15 (14,5 mm),
- 16 (15,5 mm),
- 18 (17,5 mm),
- 20 (19,5 mm),
- 22 (21,5 mm),
- 24 (23,5 mm),
- 27 (26,5 mm),
- 32 (31,5 mm)

Height: 7 mm (+0,20 mm/-0,10 mm)

Colors: Product available in **7 RAL colors*** from the standard TermoProfi color palette: RAL 9016, RAL 7035, RAL 7040, RAL 7000, RAL 8003, RAL 8014, RAL 9005.

** Other RAL colors available upon request*

ACCESSORIES

- Corners: Standard, Premium, Flexible, Butyl-sealed, Gas-filled
- Connectors: Metal, Plastic
- Compatible with TermoProfi Vienna bar system



FUNCTIONAL FEATURES

- High mechanical resistance and dimensional stability, even in large-format glazing
- Excellent barrier against gas leakage and moisture penetration
- Ideal rigidity and linearity required for the production of multi-chamber insulating glass units
- Available in a wide range of colors and sizes
- Reduces the risk of condensation on window panes
- Low thermal conductivity coefficient

ALTERNATIVE PRODUCTS

- Warm edge spacer TermoProfi Standard
- Warm edge spacer TermoProfi Optimal
- Warm edge spacer TermoProfi Extreme

STANDARDS AND CERTIFICATES

Compliant with the requirements:

- EN 1279
- WA-17/1 (λ) and WA-08/3 (Ψ) – ift Rosenheim
- ISO 9001:2015

To ensure high product quality, procedures have been established for the inspection of incoming materials, the production process, and finished products. Control data is retained for a period of 5 years.

PRODUCER

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