TECHNOFORM

Instructions for use

RPET foam

Insulation solutions for windows, doors, and facades.

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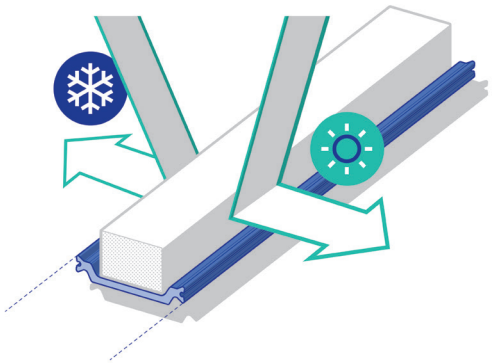
RPET foam



Product purpose:

RPET foam is used to further improve thermal performances of window, door and façade systems thanks to the possibility of filling the cavity between strips. Low conductivity of the foam and possibility of having different dimensions, lead to strong reduction in convective heat flow.

RPET foam properties:

Description	closed-cell RPET foam
Suitable processes	powder coating and anodizing according to usage conditions
Emissivity	λ 90/90 = 0,030 W/mK – according to EN 12667 and EN13164, after rapid ageing *The value is certified by the Fraunhofer Institute for Building Physics IBP (Certificate No. P1-037e/2026).* *This value represents the declared design thermal conductivity and shall be used directly for the calculation of thermal transmittance in accordance with ISO 10077-2, without the application of correction or multiplicative factors.*
Reaction to fire	class E – according to EN13501-1 *Certificate n° SL/Z-357/EN1195/389a/2021 by SYCHTA Laboratorium Sp. J.*
Density	48 kg/m3 – according to EN1602
Sustainability	100% post-consumer recycled PET material

Application:

Technoform provides strips with pre-assembled RPET foam, so no additional handling is needed. The RPET foam can be applied over strips, prior feasibility evaluation of our specialists. Please, contact your Technoform reference for every request.

Usage conditions:

Technoform polyamide profiles with RPET foam are intended for use in aluminium profiles with thermal break and are compatible with coating and anodising processes. For these surface treatments, the following conditions shall be observed.

Powder coating	a complete coating cycle may be carried out in accordance with Qualicoat Specifications. The recommended operating temperature range is 180–200 °C. The total exposure time shall not exceed 20 minutes.
Anodising	a complete anodising cycle may be carried out in accordance with Qualanod Specifications, achieving an anodic oxidation coating thickness class AA15 (average thickness 15 µm).

Behaviour of RPET foam in any other process or different application has not been evaluated and therefore there is no guarantee of proper performance.

Storage conditions:

Storage and handling shall be carried out in accordance with the standard instructions applicable to Technoform insulating strip profiles.

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