INSTALLATION ACCESSORIES FOR OPENINGS

EST PROFIIL
Building profiles and accessories

THERMOPROFILE NEOTHERM PLUS

Neotherm Plus thermal profiles for window insulation are designed for the external insulation of windows, preventing wind, condensation, moisture, and mold formation. Neotherm Plus profiles are ideal for installing windows into the insulation layer.

Description	Length, Height, Width, mm	Pieces per Pallet
Neo+8570	1180 x 85 x 70 mm	392
Neo+8580	1180 x 85 x 80 mm	350
Neo+85100	1180 x 85 x 100 mm	280
Neo+85150	1180 x 85 x 150 mm	182
Neo+85200	1180 x 85 x 200 mm	140

Main Features	Operational Characteristics	Harmonized Technical Specification, Standard 5
Insulation Thickness D	Refer to product label	LST EN 13163: 2012+A1:2015
Avarage Thermal Conductivity λ:10	0,037 W/(m*K)	LST EN 12667
Thermal Conductivity RD	Refer to product label	LST EN 13163: 2012+A1:2015
Compressive Strength CS(10)	≥1500 kPa	LST EN 826
Flexural Strength BS	≥1700 kPa	LST EN 12089
Fire Resistance Class	E	LST EN 13501-1

Permissible Board Dimensional Tolerances		LST EN 13163: 2012+A1:2015
Length L(3)	± 3 mm	LST EN 822
Width W(2)	± 2 mm	LST EN 822
Thickness T(2)	± 2 mm	LST EN 823
Squareness S(5)	± 5 mm/1000 mm	LST EN 824
Flatness P(10)	± 10 mm/1000 mm	LST EN 825

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Neotherm profiles are made of neoporous raw material and have a dark gray color.

Neotherm Plus profiles are designed for window insulation. The profiles are made from Neopor material. Neopor is an enhanced expanded polystyrene that contains graphite particles, which reflect infrared radiation and reduce heat loss. Neopor's properties are up to 20% better than those of regular expanded polystyrene. Neopor is one of the most economical thermal insulation materials, with the highest ratio of energy use to energy savings.

INSTALLATION

The installation system can be processed with simple tools and consists of three parts:

- Thermoprofile
- Polyurethane glue
- Mounting screws

INSTALLATION GUIDE

1. Measure the required length of the profile and cut it to fit if necessary.
2. Use a level to check the flatness of the wall and the profile, and mark the wall.
3. Priming the wall and profile is not necessary, but they must be clean and free of dirt. Gluing can also be done on a damp surface.
4. Prepare the profile by placing it on a convenient surface and apply adhesive in two layers. Apply the adhesive from one end to the other, covering the entire surface.
5. At the corners, the adhesive strips should intersect.
6. Once the adhesive has dried, drill through the profile and secure it to the wall with screws.

IMPORTANT FACTS BEFORE INSTALLATION

- During gluing, the ambient temperature must be between 0 and +40°C, and the temperature of the glued surface must be between 0 and +35°C.
- When gluing at a lower temperature, it is recommended to warm the glue in warm water.
- Profiles should be kept warm before gluing.
- Conduct adhesive strength tests at least 24 hours before installation.
- Take a Neotherm Plus profile at least 200 mm long and glue it to the installation site. Do not insert screws. After at least 24 hours (at least 48 hours if the temperature is below +5°C), perform a strength test with a load of 800N (81.5 kg). If the adhesive does not withstand this load, the surface must be primed and additional fastening screws used.