

PUROTERM HS

Technical data sheet of thresholds for sliding door (HST type)

10.01.2025

Product characteristics::

Puroterm HS multilayer thresholds are made of materials with the following properties:

- high load-bearing board: main plate made of very high density polyurethane foam responsible for transferring high loads (approx. 7000 kPa at 10% compression, according to DIN EN826)

- the carrier board is made of high-density thermoplastic material, providing additional stabilization of the transferred load (approx. 1600 kPa, according to ASTM D1621)

- waterproof board: made of foamed PVC, water-tight, with high UV resistance

- XPS is a closed-cell, almost moisture-resistant, frost-resistant, extremely strong and heat-retaining extruded polystyrene board

Construction diagram:

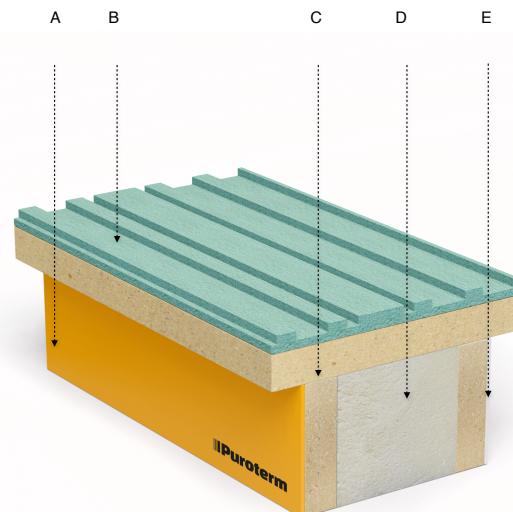
A: External waterproof board, UV resistant, yellow

B: Plastic carrier board, thermal insulation

C: Polyurethane high load-bearing board, thermal insulation

D: Extruded polystyrene board

E: Internal waterproof board, UV resistant, white



The milling system in the photo is an example

Intended use:

Puroterm HS multilayer thresholds are used for thermal insulation of the under-threshold zone of sliding doors (HST type). Offering high resistance to compression, they provide durable and stable support for the structure, reducing or completely eliminating thermal bridges.

Product advantages:

- very good thermal insulation
- high resistance to compression
- UV resistance
- waterproof when properly installed in the wall
- easy installation (perfectly level floor not required)
- milled to a given profile

Puroterm HS Technical Data Sheet

Material	Multilayer threshold with a core of very high density polyurethane foam with strong and heat-retaining extruded polystyrene board, plastic carrier board on top and PVC sheets (edge cladding)							
Dimension	Length: 600mm, 1200mm, 2400mm. Height: 35 - 300mm							
Compressive strength	20 ton/m							"Research procedure no. PB-03/15 of 1/10/2015 Strength tests of components and elements used for the installation of windows, balcony doors and external doors."
Wind load resistance	C5							in accordance with the classification standard PN-EN 12210
Air permeability	Class 4							in accordance with the classification standard PN-EN 12207
Waterproof	E900							in accordance with the classification standard PN-EN 12208
Thickness of the thresholds	125	150	170	250				
Heat transfer coefficient	0,5 W/m ² K	0,4 W/m ² K	0,35 W/m ² K	0,2 W/m ² K				Internal
Thickness tolerance	+/- 1-2mm							Internal
Tolerance of dimensions	tolerance of the beam dimensions: on the length +/- 5-10mm, on the height +/- 5mm							Internal
Temperature stability	from -40 degrees C to 80 degrees C							Internal
Ageing resistance	Material resistant to rot and does not decompose							Internal

Storage:

Puroterm HS should be stored in a dry, well-ventilated, roofed place and at a temperature of 5 to 25 degrees Celsius. They should not have contact with open fire or other heat sources or be exposed to direct sunlight. They should not have contact with substances that have a destructive effect on polystyrene (a solvent-free assembly glue is recommended).

Installation:

The installation should be carried out in accordance with the windows manufacturer's installation instructions. It should be ensured that the installation site is properly prepared: free from contamination, dry, and the surface is decently even and compact. The window and door profile to which the Puroterm boards are mounted should be clean, dry and undamaged.

Manufacturer:

Fixar sp. z o.o. Lipki 6B, 62-250 Rakowo

Disclaimer

The information given in this technical data sheet is correct according to our knowledge, information and belief at the date of its publication. The information given is intended only as a guide for safe handling, use, processing, storage, transport, and is not to be considered as a guarantee or quality specification of any kind. This information relates to a specific and identified material and may be invalid if this material is used with any other material(s) or in any technological process, unless otherwise specified in this text.