

Technical Data Sheet

EN

STYRPUR

gun spray

Issue date 10.01.2011
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Product description

The polyurethane adhesive for polystyrene is designed for fixing polystyrene panels for the thermal insulation of external walls, for the installation of window sills, and for filling in any gaps in insulation. As well as EPS and XPS panels, It gives excellent adhesion to materials such as concrete, plaster, brick, wood and metal. The polyurethane adhesive can be applied to mounting XPS plates to surface of underground parts of buildings and constructions, for performing peripheral thermal insulation.

The National Technical Assessment was issued for the product. No.: ITB-KOT-2022/2373 wyd. 1

National Declaration of Performance No.: 03/KP-KDWU

Application method recommended

Surface preparation

Surfaces should be clean and free of dirt, dust, grease, oil, paint residues and other contaminants. Check the adhesion of existing plasters and paint coatings and those with poor adhesion should be removed. Starter trims should be installed before commencing the gluing of polystyrene panels.

Directions for use

Before use, the adhesive container should be vigorously shaken about 30 times to thoroughly mix the contents. Screw the adhesive container to the applicator gun and spray an approximate 3 cm strip all the way around the polystyrene panel about 2 cm from the edge and a strip along the centre of the panel. Immediately after applying the adhesive, the panel must be fixed to the wall surface by exerting a small force and, using the starter trim as your guide, readjust the panel into place. In the case of work carried out in adverse conditions such as strong wind or rain, curtains must be fitted on the scaffolding and special attention paid to the corners of the wall until the adhesive is set. The adhesive will be set after about 2 hours and the panels ready for further processing with the installation of additional mechanical fasteners of the amount of a minimum of 4 pieces per m², and 8 pieces per m² along the edge of the building.

Recommended can temperature [°C]	15 - 25
Correction time [min]	15
Curing time [min]	120
Coverage per container [m ²]	8

Remove fresh contaminations with a solvent (e.g. PURSAN AE 500). The hardened product can be removed mechanically. After finishing work, rest of the foam should be thoroughly removed from the gun - the can with the solvent should be screwed onto the gun and the trigger of the gun repeatedly pressed until residual foam is completely removed from the gun. After finishing work, if the foam is not used completely, also remove the rest of the foam from the can valve.

Technological properties*

Free rise density [kg/m ³]	25 ± 15%
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Physical and mechanical product properties*

Type of application	gun spray
Colour	yellow or cream-yellow
Appearance	cellular plastic
Shear modulus under compression [kPa]	≥ 700

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Foam height increase (expansion rate) [mm]	≤ 4,0
Tensile strength perpendicular to the surface [MPa] (EPS white or graphite - adhesive joint (8 mm) - concrete), made: a) in laboratory conditions b) in laboratory conditions, after an open time of 7 minutes c) at +5°C d) at +30°C and 30% RH	≥ 0,08
Tensile strength perpendicular to the surface [MPa], (XPS - adhesive joint (8 mm) - concrete), made: a) in laboratory conditions b) in laboratory conditions, after an open time of 7 minutes c) at +5°C d) at +30°C and 30% RH	≥ 0,08
Application temperature range [°C]	+5 - +30
Shear strength [kPa]	≥ 85

Transport and storage

Store in dry, well ventilated room, in tightly closed containers. Protect against moisture access and direct exposure to sunrays. Store away from heat sources, in the container originally packaged in a vertical position.

Avoid overheating containers above +40°C.

Permissible temperature during transport [°C]

5 - 25

Recommended storage temperature [°C]

5 - 25

Storage life:

12 months

*Notes

Data presented in this information have been obtained during the system foaming in model conditions. The results obtained when foaming in other conditions can be slightly different from published.

Every time the user is obliged to check the product and auxiliary agents usefulness for his intentional use.

The user is obligated to have a valid technical data sheet and safety data sheet of the product, which is provided by the manufacturer during the sale and every time on the customer's request.

Prior to processing the user must carefully read aforementioned documentation and follow the rules of procedure for product use.