

**NATIONAL DECLARATION OF PERFORMANCE
No. 668-KDWU-2023**

- Name and trade name of the construction product:*
Name: Polyurethane adhesive NEXLER STYROPUK Dach
Trade name: NEXLER STYROPUK Dach
- Identification of the type of the construction product:*

NEXLER STYROPUK Dach

- Intended use or uses:*
NEXLER STYROPUK Dach polyurethane adhesive is intended for attaching white expanded polystyrene (EPS) boards and extruded polystyrene (XPS) boards to surfaces of flat roofs, concrete roofs or roofs covered with galvanized metal sheet or roofing felt, when performing thermal insulation of roofs, and the boards should be fastened at the same time mechanically. NEXLER STYROPUK Dach polyurethane adhesive can also be used to attach: hydrophobic AQUA EPS expanded polystyrene (EPS) boards to the surface of flat roofs, on mineral substrates, when performing thermal insulation of roofs, styrofoam panel with roofing felt (EPS boards covered with bitumen felt on one or both sides) to surfaces of flat roofs, on mineral substrates with a bituminous coating, when performing thermal insulation of roofs, and the boards should be mechanically fastened at the same time. The adhesive can also be used to attach plasterboards to concrete substrates.

- Name and address of the manufacturer:*

NEXLER sp. z o.o.
ul. Łużycka 6, 81-537 Gdynia, Poland
tel., fax +48 58 781 45 85
www.nexler.com

Production site:
Poland

- Name and address of authorised representative, where applicable:*
not applicable
- National system applied for assessment and verification of constancy of performance:*
2+

- National technical specification:*

7a. Polish product standard: not applicable

Name of accredited certification body, number of accreditation and number of national certificate or name of accredited laboratory/laboratories and number of accreditation: not applicable

7b. National Technical Assessment: Krajowa Ocena Techniczna ITB-KOT-2023/2595 wydanie 1

Technical Assessment Body/National Technical Assessment Body: Instytut Techniki Budowlanej, ul. Filtrowa 1, 00-611 Warszawa

Name of accredited certification body, number of accreditation and number of certificate: Sieć Badawcza Łukasiewicz - Instytut Ceramiki i Materiałów Budowlanych, AC 008, Krajowy Certyfikat Zgodności Zakładowej Kontroli Produkcji Nr 008-UWB-271

- Declared performance:*

<i>Essential characteristics of construction product for the intended use or uses</i>	<i>Declared performance</i>	<i>Remarks</i>
Foam height increase in the gap (expansion degree), mm	≤ 17,0	
Shear resistance, kPa	≥ 75	
Shear modulus of transverse elasticity, kPa	≥ 75	
Dimensional stability, %, after 48 h, at a temp. of +70 °C and relative humidity 90 %, in the direction:		
- length	± 1,0	
- width	± 0,5	
- thickness	± 0,5	
Tensile strength perpendicular to the surface, MPa, connection: white EPS - adhesive joint (8 mm) - concrete, made of:		
- in laboratory conditions	≥ 0,08	
- in laboratory conditions, after an open time of 4 min.	≥ 0,08	
- at a temp of -5°C	≥ 0,08	
- at a temp. of +30°C and 30% RH	≥ 0,08	
- at a temp. of +30°C, on a concrete base heated to a temp. of +50°C	≥ 0,08	

<i>Essential characteristics of construction product for the intended use or uses</i>	<i>Declared performance</i>	<i>Remarks</i>
Tensile strength perpendicular to the surface, MPa, connection: white EPS - adhesive joint (15 mm) - concrete, made of: - in laboratory conditions - at a temp. of +30°C, on a concrete base heated to a temp. of +50°C	≥ 0,08 ≥ 0,08	
Tensile strength perpendicular to the surface, MPa, connection: XPS - adhesive joint (8 mm) - concrete, made of: - in laboratory conditions - in laboratory conditions, after an open time of 4 min. - at a temp of -5°C - at a temp. of +30°C and 30% RH - at a temp. of +30°C, on a concrete base heated to a temp. of +50°C	≥ 0,08 ≥ 0,08 ≥ 0,08 ≥ 0,08 ≥ 0,08	
Tensile strength perpendicular to the surface, MPa, connection: XPS - adhesive joint (15 mm) - concrete, made of: - in laboratory conditions - at a temp. of +30°C, on a concrete base heated to a temp. of +50°C	≥ 0,08 ≥ 0,08	
Tensile strength perpendicular to the surface, MPa, connection: AQUA EPS - adhesive joint (8 mm) - concrete, made of: - in laboratory conditions - in laboratory conditions, after an open time of 4 min. - at a temp of +5°C - at a temp. of +30°C and 30% RH - at a temp. of +30°C, on a concrete base heated to a temp. of +50°C	≥ 0,08 ≥ 0,08 ≥ 0,08 ≥ 0,08 ≥ 0,08	
Tensile strength perpendicular to the surface, MPa, connection AQUA EPS - adhesive joint (15 mm) – concrete, made of in laboratory conditions	≥ 0,08	
Tensile strength perpendicular to the surface, MPa, connection XPS or EPS - adhesive joint (8 mm) – galvanized metal sheet, made of: - in laboratory conditions - in laboratory conditions, on a galvanized metal sheet base heated to a temp. of +50°C	≥ 0,08 ≥ 0,08	
Tensile strength perpendicular to the surface, MPa, connection XPS or EPS - adhesive joint (8 mm) – roofing felt, made of: - in laboratory conditions - in laboratory conditions, on a roofing felt base heated to a temp. of +50°C	≥ 0,08 ≥ 0,08	
Tensile strength perpendicular to the surface, MPa, connection styrofoam panel with roofing felt - adhesive joint (8 mm) – concrete with bituminous coating, made of: - in laboratory conditions - at a temp. of +30°C, on a concrete base with bituminous coating heated to a temp. of +50°C	≥ 0,08 ≥ 0,08	
Tensile strength perpendicular to the surface, MPa, connection plasterboard- adhesive joint (8 mm) – concrete, made of: - in laboratory conditions - at a temp of +5°C - at a temp. of +30°C and 30% RH - in laboratory conditions, with modification of the joint thickness (15 mm)	≥ 0,08 ≥ 0,08 ≥ 0,08 ≥ 0,08	

<i>Essential characteristics of construction product for the intended use or uses</i>	<i>Declared performance</i>	<i>Remarks</i>
Tensile strength perpendicular to the surface, MPa, connections with an 8 mm adhesive joint, made in laboratory conditions: - EPS – ceramic brick - EPS – concrete - EPS – OSB board - EPS – wood - EPS – EPS - EPS – galvanized steel sheet - EPS – steel sheet with polyester coating	$\geq 0,08$ $\geq 0,08$ $\geq 0,08$ $\geq 0,08$ $\geq 0,08$ $\geq 0,08$ $\geq 0,08$	
Tensile strength perpendicular to the surface, MPa, connections with an 8 mm adhesive joint, made in laboratory conditions: - XPS – concrete - XPS – XPS - XPS – galvanized steel sheet - XPS – steel sheet with polyester coating	$\geq 0,08$ $\geq 0,08$ $\geq 0,08$ $\geq 0,08$	

9. *The performance of the product identified above is in conformity with all declared performance in clause 8. This national declaration of performance is issued in accordance with the act on construction products dated 16 April 2004 under the sole responsibility of the manufacturer.*

Signed for and on behalf of the manufacturer by:

Dawid Dębski, R&D Manager
(name and function)

Gdynia, 05.04.2024, issue 1
(place and date of issue)


Dyrektor ds. Badań i Rozwoju


dr inż. Dawid Dębski

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(signature)