

NATIONAL DECLARATION OF PERFORMANCE

No. KDWU01/1134/25

1. Name and commercial name of the construction product: light tunnels

2. Construction product type marking:

light tunnels with rigid tube:

SRF (from 0° to 15°), **SR** (SRS, SRS-L, SRL, SRL-L, SRZ, SRZ-L, SRH, SRH-L), **SRD-** (SRD-L, SRD-L/L, SRD-S, SRD-S/L, SRD-Z, SRD-Z/L, SRD-H, SRD-H/L) (from 15° to 60°)

light tunnels with flexible tube:

SFF, **SXF** (from 0° to 15°), **SF** (SFL, SFL-L, SFS, SFS-L, SFZ, SFZ-L, SFH, SFH-L, **SFD-** (SFD-L, SFD-L/L, SFD-S, SFD-S/L, SFD-Z, SFD-Z/L, SFD-H, SFD-H/L) (from 15° to 60°)

3. Intended application or applications: to illuminate interiors with natural light.

Light tunnels can be installed in roofs with pitches:

- from 0° to 15°
light tunnels with rigid tube: SRF
light tunnels with flexible tube: SFF, SXF
- from 15° to 60°, covered with flat roof covering material with a thickness of up to 10 mm
light tunnels with rigid tube: SRS, SRS-L, SRL, SRL-L, SRD-L, SRD-L/L, SRD-S, SRD-S/L,
light tunnels with flexible tube: SFD-L, SFD-L/L, SFL, SFL-L, SFD-S, SFS, SFS-L, SFD-S/L,
- from 15° to 60°, covered with profiled roof covering material with a thickness of up to 45 mm
light tunnels with rigid tube: SRZ, SRZ-L, SRD-Z, SRD-Z/L,
light tunnels with flexible tube: SFZ, SFZ-L, SFD-Z, SFD-Z/L,
- from 15° to 60°, covered with profiled roof covering material with a thickness of up to 120 mm
light tunnels with rigid tube: SRH, SRH-L, SRD-H, SRD-H/L,
light tunnels with flexible tube: SFH, SFH-L, SFD-H, SFD-H/L,
in single-family, multi-family, public utility and industrial buildings.

4. Name and address of the manufacturer and place of manufacture of the product:

FAKRO PP Sp. z o.o.
ul. Węgierska 144 a
33-300 Nowy Sącz

5. Name and address of the authorized representative: -

6. National system for the evaluation and verification of constancy of performance characteristics: 3

7. National technical evaluation: NATIONAL TECHNICAL APPROVAL ITB-KOT-2019/1134 issue 2

Technical evaluation unit / National technical evaluation unit:

Building Research Institute
ul. Filtrowa 1
00-611 Warszawa

8. Declared performance characteristics:

No.	Essential characteristics of the construction product for the intended application or applications	Declared performance characteristics	Comments
1	Impact resistance – hard body, drop of a 250 g steel ball from a height of 1 m	No puncture	
2	Impact resistance – soft-hard body, drop of a 50 kg bag:	Class SB 1200 – in case of SFF, SXF and SRF light tunnels, Class SB 800 – in case of other light tunnels.	
3	Resistance to downward loads, wind pressure of 2500 Pa	Class DL 2500	
4	Resistance to upward loads, wind suction of 3000 Pa	Class UL 3000	
5	Watertightness, water spraying in quantity of 2 ÷ 3 l/m ² ·min within 1 hour	No leaks	
6	Air permeability – average air infiltration rate in the range of 50 ÷ 300 Pa (pressure and suction)	Class 4: $a \leq 0.3 \text{ m}^3/(\text{m} \cdot \text{h} \cdot \text{daPa})^{2/3}$	
7	Thermal insulation, heat transfer coefficient W/(m ² ·K): - light tunnels with a diameter of 250 mm - light tunnels with a diameter of 350 mm - light tunnels with a diameter of 550 mm	≤ 2.1 ≤ 2.0 ≤ 1.9	

9. The performance of the product specified above is compatible with all declared performance characteristics listed in section 8. This national Declaration of Performance is issued in accordance with the Act of 16 April 2004 on the construction products under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer by:

Ewa Łukaszczyk-Haslik
Certification & Quality Control Dept. Director
Nowy Sącz, 31/03/2025

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