

IZOBIT OPTIMA 52 DUO (W-PYE 250 S 52 SBS)

SBS-modified bitumen torch-on cap sheet

Top-quality torch-on cap sheet membrane made with DUO technology – a combination of two different polymer-bitumen compounds, each perfected to optimize performance. Dedicated to professionals who are looking for improved solutions to speed up work, while ensuring the highest protection of the roof against water and moisture.

TECHNICAL DATA



Reinforcement: non-woven polyester reinforced with glass fibre

Bitumen: SBS-modified

Surface top: mineral slate

Surface bottom: PE hot-melt film with roofing outline

Technical specification of the product:

EN 13707:2004+A2:2009

Amount per pallet: 24 rolls / 144 m²



INTENDED USE

- As an top-layer in multi-ply roofing systems
- As a top layer in single-ply roofing systems
- As a top layer beneath heavy surface protection, e.g. ballasted roofs

TECHNICAL CHARACTERISTICS

CHARACTERISTIC	VALUE
visible defects	no visible defects
length	min. 6,0 m
width	min. 1,0 m
thickness	5,2 mm (± 10%)
watertightness (B method)	10 kPa and 150 kPa
watertightness when stretched at low temperature	watertight when stretched to 10%
reaction to fire	class E
reaction to external fire*	Broof (t1), Broof (t2), Broof (t3)
reaction to internal fire*	RE 20, RE 30, REI 15, REI 20
flexibility at low temperature; top/bottom	≤ -20 °C / ≤ -10 °C
durability (flow resistance at elevated temperature); top/bottom	+100(±10) °C / +100(±10) °C
maximum tensile strength longitudinal	900 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm
maximum tensile strength transverse	700 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm
elongation at maximum tensile strength longitudinal	50 ⁺³⁰ / ₋₃₀ %

CHARACTERISTIC	VALUE
elongation at maximum tensile strength transverse	50 ⁺³⁰ / ₋₃₀ %
dimensional stability	change of dimensions not more than 0,5%
straightness	deviation not more than 10 mm/5 m length
resistance to impact (method A and B)	no perforation at h = 2000 mm
shear resistance of joint longitudinal overlap	650 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm
shear resistance of joint transverse overlap	850 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm
resistance to static loading (method A)	up to 20 kg
coating adhesion	loss of coating 15 ⁺¹⁵ / ₋₁₅ %
peel resistance of joint length	150 ⁺¹⁰⁰ / ₋₁₀₀ N/50mm
peel resistance of joint transverse	150 ⁺¹⁰⁰ / ₋₁₀₀ N/50mm
resistance to tearing (nail) longitudinal	200 ⁺¹⁰⁰ / ₋₁₀₀ N
resistance to tearing (nail) transverse	200 ⁺¹⁰⁰ / ₋₁₀₀ N
harmful substances	does not contain

*valid for tested roofing systems



IZOBUD Sp. z o.o.
Łąki Kozielskie
ul. Leśna 4, 47-150 Leśnica



NIP: 756-18-31-498
Regon: 532228808
KRS: 0000067066



tel. +48 77 461 52 87
tel. +48 77 545 93 81
fax +48 77 544 93 26

Technical data sheet no.:
189/IZOB/v.100425

IZOBIT OPTIMA 52 DUO (W-PYE 250 S 52 SBS)

SBS-modified bitumen torch-on cap sheet

DOCUMENTS

- **Certificates of factory production control:**
1023-CPR-0178F
- **Notified Certification Body:**
1023
- **Declaration of performance:**
189/IZOB/2025

SURFACES

- Concrete with a moisture content not more than 5%
- Wooden surfaces with a moisture content not more than 22%
- Thermal insulation layer
- Existing roof covering

APPLICATION

- Torch-on (using a gas-torch)
- Mechanically (using fasteners), in accordance with the recommendations of the PN-EN 1991-1-4:2008 standard regarding the distribution of mechanical fasteners.

GUARANTEE

- 10 years

TRANSPORT AND STORAGE

- Transport and store in upright position in one layer, preventing the rolls to be able to move on the pallet
- Store in conditions that protect against moisture and excessive sunlight and keep away at least 120 cm from heaters and other heat resources.
- Transport according to regulations of safety transportation.

HEALTH AND SAFETY

- The product does not contain any asbestos, coal tar components or any other substances that could affect human health if stored, transported and used in the correct way.

INTEGRATED MANAGEMENT SYSTEM



Implementation of waterproofing using the product must be preceded by the selection (design) of layers by an authorized person-designer.

INSTALLATION RECOMMENDATIONS

- 1 Unroll and place product at environmental temperature 0÷35 °C.
- 2 The substrate must be clean, even and free from contaminants, with adequate moisture content, treated with a suitable bituminous Primer (according to the norm PN-80/B-10240).
- 3 Before installation, the product should be stored at a temperature of at least +18 °C for at least 24 hours. Before installation the product should be rolled out on site where it will be applied and after placing, rolled up on both sides to the centre.
- 4 When installing the cap sheet membrane, be sure to use proper overlaps in relation to the underlayer.
- 5 The product should be installed with longitudinal overlaps of at least 8 cm, or at least 12 cm in the case of single-layer systems, transverse overlaps should be at least 15 cm wide. During overlap welding, press the membrane with a roofing roller to ensure the asphalt outflow is between of 0.5 and 1.0 cm wide.
- 6 All roofing works should be carried out in accordance with the technical documentation (prepared by an authorized - designer), the currently applicable building regulations and standards, by persons qualified in waterproofing works, and if necessary under the supervision an authorized person.



The information provided in this data sheet, in particular recommendations concerning installation, are based on our experience and best knowledge. In addition to the information provided in this data sheet, the rules of the trade, relevant national and European standards, technical approvals, health and safety regulations etc. must be followed. This data sheet replaces all previous versions applicable to this product.



IZOBUD Sp. z o.o.
Łąki Kozielskie
ul. Leśna 4, 47-150 Leśnica



NIP: 756-18-31-498
Regon: 532228808
KRS: 0000067066



tel. +48 77 461 52 87
tel. +48 77 545 93 81
fax +48 77 544 93 26