

IZOBIT STANDARD 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 / 120 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. 5,0 m |
| width | min. 1,0 m |
| thickness | 5,2 mm (± 0,2) |
| 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 | ≤ -25 °C / ≤ -10 °C |
| durability (flow resistance at elevated temperature); top/bottom | +100(±10) °C / +100(±10) °C |
| maximum tensile strength longitudinal | 1000 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm |
| maximum tensile strength transverse | 700 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm |
| elongation at maximum tensile strength longitudinal | 60 ⁺³⁰ / ₋₃₀ % |

| CHARACTERISTIC | VALUE |
|---|--|
| elongation at maximum tensile strength transverse | 60 ⁺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 | 600 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm |
| shear resistance of joint transverse overlap | 900 ⁺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 | 200 ⁺¹⁰⁰ / ₋₁₀₀ N/50mm |
| peel resistance of joint transverse | 200 ⁺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

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DOCUMENTS

- **Certificates of factory production control:**
1023-CPR-0178F
- **Notified Certification Body:**
1023
- **Declaration of performance:**
190/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

- 12 years

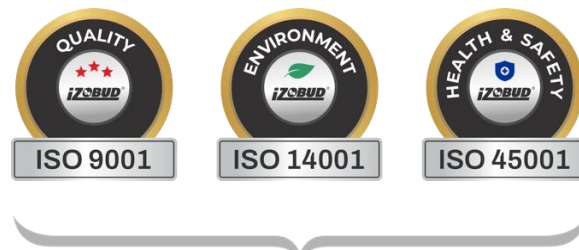
TRANSPORT AND STORAGE

- 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.



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