

IZOBIT GARDEN 52

Root-resistant SBS-modified bitumen torch-on cap sheet

Specialist torch-on membrane made of premium-quality SBS-modified bitumen compound, enhanced with certified additives that protect against root penetration and biological corrosion. Extremely durable and dimensionally stable. Provides a long-lasting barrier against water and plant roots, ensuring many years of durability and safety of the completed investment.

TECHNICAL DATA



Reinforcement: non-woven polyester reinforced with glass fibre
Bitumen: SBS-modified with root-resistant additives
Surface top: mineral slate
Surface bottom: PE hot-melt film with roofing outline
Technical specification of the product:
 EN 13707:2004+A2:2009
 EN 13969:2004/A1:2006
 EN 13969:2004

Amount per pallet: 20 rolls / 120 m²



INTENDED USE

- As a top layer in single-ply and multi-ply roofing systems
- As a root-resistant top layer under heavy surface protection for green and ballasted roofs, in both traditional and inverted systems
- For damp proofing and waterproofing (type A and T)
- For the horizontal insulation of floors, concrete screeds, foundations, terraces, balconies and slabs in contact with the ground
- For vertical waterproofing of underground building parts in conditions allowing exposure to hydrostatic water pressure

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)	60 kPa and 200 kPa
resistance to root penetration	meets the requirements
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	≤ -25 °C
flow resistance at elevated temperature	≥ +100 °C
maximum tensile strength longitudinal	1100 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm
maximum tensile strength transverse	900 ⁺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	800 ⁺³⁰⁰ / ₋₃₀₀ N/50 mm
shear resistance of joint transverse overlap	1000 ⁺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	NPD
peel resistance of joint transverse	NPD
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 and 1023-CPR-0190F
- **Notified Certification Body:**
1023
- **Declaration of performance:**
053/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

APPLICATION

- Torch-on (using a gas-torch)

GUARANTEE

- 15 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 $0 \div 35$ °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 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.
- 5 For horizontal and vertical damp-proofing and waterproofing insulations, the number of membrane layers should be determined according to the existing soil and water conditions around the building and its foundation level.
- 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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