TECHNICAL DATA SHEET

CERTIFIED ISO 9001 ISO 14001 ISO 45001

iZOBUD®
EKSPERT W PRODUKCJI MEMBRAN BITUMICZNYCH

IZOBIT SUPER AL 4

SBS-modified bitumen torch-on underlayer

High-quality torch-on underlayer, made of SBS-modified bitumen compound and reinforcement made of a composite of aluminum foil and glass veil.
It provides an tight waterproofing barrier and protection against radon entering the building, which is harmful to the health and life of residents.

TECHNICAL DATA

CE

Reinforcement: glass veil + aluminum foil
Bitumen: SBS-modified
Surface top: fine mineral finish
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
EN 13970:2004; EN 13970:2004/A1:2006

Amount per pallet: 20 rolls / 150 m²

Water vapour transmission (diffusion resistance):
Sd: ~ 900 m

INTENDED USE

- As an underlay in multi-ply roofing systems
- As a vapour barrier to regulate water vapour transmission in roofing systems
- For damp proofing (type A), as a radon barrier
- 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 not allowing exposure to hydrostatic water pressure

TECHNICAL CHARACTERISTICS

CHARACTERISTIC	VALUE
visible defects	no visible defects
length	min. 7,5 m
width	min. 1,0 m
thickness	4,0 mm (± 0,2)
watertightness (B method)	60 kPa
watertightness when stretched at low temperature	NPD
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	≤ -15 °C
flow resistance at elevated temperature	≥ +90 °C
maximum tensile strength longitudinal	550 $^{+200}_{-200}$ N/50 mm
maximum tensile strength transverse	300 $^{+200}_{-200}$ N/50 mm
elongation at maximum tensile strength longitudinal	6 $^{+4}_{-4}$ %

CHARACTERISTIC	VALUE
elongation at maximum tensile strength transverse	6 $^{+4}_{-4}$ %
dimensional stability	NPD
straightness	deviation not more than 15 mm/7,5 m length
resistance to impact	NPD
shear resistance of joint longitudinal overlap	300 $^{+200}_{-200}$ N/50 mm
shear resistance of joint transverse overlap	550 $^{+200}_{-200}$ N/50 mm
resistance to static loading	NPD
coating adhesion	NPD
peel resistance of joint length	NPD
peel resistance of joint transverse	NPD
resistance to tearing (nail) longitudinal	100 $^{+100}_{-50}$ N
resistance to tearing (nail) transverse	100 $^{+100}_{-50}$ 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

CERTIFIED ISO 9001 ISO 14001 ISO 45001

iZOBUD®
EKSPERT W PRODUKCJI MEMBRAN BITUMICZNYCH

IZOBIT SUPER AL 4

SBS-modified bitumen torch-on underlayer

DOCUMENTS

- **Certificates of factory production control: 1023-CPR-0178F and 1023-CPR-0190F**
- **Notified Certification Body: 1023**
- **Declaration of performance: 042/IZOB/2025**

INTEGRATED MANAGEMENT SYSTEM

QUALITY iZOBUD ISO 9001 | ENVIRONMENT iZOBUD ISO 14001 | HEALTH & SAFETY iZOBUD ISO 45001

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)

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.

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 5÷35 °C.
2. The substrate must be clean, even and free from contaminates, 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. 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. If conditions allow it, the insulation can be installed as a single layer.
7. 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