

IZOELAST T5 plus

Waterproofing membrane with a glass fabric carrier and with elastomer (SBS) modified bitumen

Product description IZOELAST T5 plus is a waterproofing membrane made from a glass fabric reinforcement that is coated on both sides with elastomer (SBS) modified bitumen. The membrane is protected on both sides by polymeric sheeting

Characteristics of the product IZOELAST T5 plus meets the demands of the standards SIST EN 13707, 13969 type A and type T and SIST 1031. Because of its excellent flexibility at low temperatures it shows excellent characteristics at installation and deformations, and excellently bridges cracks also at very low temperatures. The mechanical characteristics of the reinforcement give the product high resistance against penetration and tearing.

| Characteristic | EN Method | Unit | Declaration EN 13707 in 13969 |
|--|---|--------------|----------------------------------|
| Reinforcement | Woven glass fabric | | |
| Surface protection | polymeric sheeting / polymeric sheeting | | |
| Length | 1848-1 | m | ≥7,5 |
| Width | 1848-1 | m | ≥1 |
| Straightness | 1848-1 | 20 mm/10m | pass |
| Thickness | 1849-1 | mm | 5,0 -10% |
| Water tightness | 1928/2000 | kPa | ≥ 60 |
| Durability of water tightness against artificial ageing | 1928/2000 | kPa | ≥ 60 |
| Flexibility at low temperature | 1109 | °C | ≤ -25 |
| Flow resistance at elevated temperature | 1110 | °C | ≥ 100 |
| Resistance to tearing | 12310-1 | N | 300 -10% |
| • longitudinal | | | 200 -10% |
| • transversal | | | |
| Shear resistance of joints | 12317-1 | N/50 mm | 1000 -10% |
| • longitudinal | | | 1000 -10% |
| • transversal | | | |
| Water vapour properties | 1931 | μ | 20000 |
| Reaction to fire | 13501-1 | / | F |
| Chemical resistance | 1847/13707 Annex C | - | pass |
| Resistance to static loading | 12730/A | kg | ≥ 10 |
| Resistance to static loading | 12730/B | kg | ≥ 10 |
| Resistance to impact (h=600 mm) | 12691 | mm | ≤ 10 |
| Tensile strength | 12311-1 | N/50mm | 1000 -10% |
| • longitudinal | | | 1000 -10% |
| • transversal | | | |
| Elongation | 12311-1 | % /50mm | ≥2 |
| • longitudinal | | | ≥2 |
| • transversal | | | |
| Flexibility at low temperature after artificial ageing by long term exposure to elevated temperature(12 weeks at 70 °C) | 1296/1109 | °C | NPD |
| Flow resistance at elevated temperature after artificial ageing by long term exposure to elevated temperature(12 weeks at 70 °C) | 1296/1110 | °C | NPD |

Use and installation IZOELAST T5 plus is used regarding the demands of the standards as an intermediate layer in two- ore more layered flat roof systems which are protected by a UV-resistant membrane or as protection layer in roofing systems under heavy protection, especially there, where strains because of movements of the construction are expected. It can also be used in most demanding systems of vertical and horizontal waterproofing of underground parts of objects that are exposed to water pressure. Normally it is installed by torching on the entire surface or punctual. The membrane can also be installed by hot bonding.

Storage The rolls have to be stored in an upright position, protected against dampness and extreme temperatures. In winter it is recommended to store the rolls before installation for 24 hours at a temperature of over + 5°C.



The product is in conformity with SIST EN 13707, SIST EN 13969 for type A and type T and SIST 1031.

Number EC certificate of control of quality: **1404 – CPD – 1059.**

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The system of quality and handling of the environment is conform with SIST EN ISO 9001 and 14001.