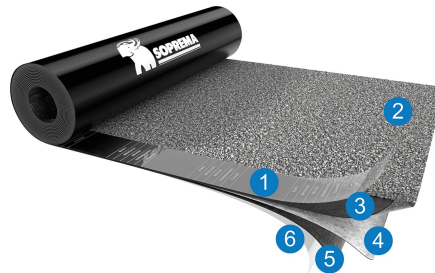


ISOGUM-P MINERAL

WPBIT0031.b

| | |
|-------------------------------|--|
| DESCRIPTION | ISOGUM-P MINERAL is a elastomeric modified bitumen waterproofing membrane (SBS), industrially manufactured by impregnation of the reinforcement with the waterproofing compound based on distilled bitumen modified with elastomeric polymers, which gives to the compound high technical characteristics. The composite reinforcement, made of nonwoven spunbond polyester in combination with fiberglass, conveys high mechanical characteristics, excellent dimensional stability and elastic performance. Shaping of sheets, straightness, dimensional and surface uniformity are accomplished by hot calendering of the mass at hot melt fluid state. It is a self-protected membrane, the upper surface is coated with coloured slate chips and selvedge slate free at one side for easy welding overlap. Lower surface is coated with a thermo-fusible polyolefin film. |
| FIELD OF APPLICATION | ISOGUM-P MINERAL is particularly suitable as top layer in multi-layer waterproofing systems with compatible membranes in exposed roofs, or as underlayers for discontinuous roofing. It is very appropriate where the substrate undergoes significant and frequent movements. General roofing, vehicles parking roofs, foundations, on or under floors or ground slabs, wall constructions, are valid examples of the design application of this product. It is not suitable for roof gardens. It can be applied onto every substrate (concrete, masonry, corrugated steel decks, tension structures, pre-cast concrete roofs, wood, insulation panel, membrane, etc.) and under heavy protection. The excellent mechanical characteristics and high level thermo-dynamic stability make it suitable for any climate conditions, particularly cold climates, and all the situations where a barrier against water is required. |
| METHOD OF INSTALLATION | The excellent thermoplastic properties of the waterproofing compound allow the application with torch-on system or hot air generator. In particular situations, it could be applied with appropriate sealants or mechanical fastenings. The application of the membrane must be carried in good weather conditions and after the substrate has been adequately cleaned and prepared. |
| PACKING AND STORAGE | The product is packed as standing rolls on wooden pallets wrapped with thermoshrinking protective hoods. Rolls must be stored in the upright position, without stacking the pallets to avoid deformations which can compromise the correct application of the membrane. The product must be stored indoor, protected from heat and frost. |
| INTENDED USE OR USES | Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets Flexible sheets for waterproofing. Underlays for discontinuous roofing |

1. Selvedge
2. Mineral protection
3. Waterproofing mass
4. Reinforcement
5. Waterproofing mass
6. Torch-off film



ISOGUM-P MINERAL

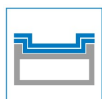
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TECHNICAL DATA

| | Norm | Value | | Unit | Tolerance |
|--|------------------------|-------------|----|----------------------|--------------|
| Weight | EN1849-1 | 4,5 | 5 | (kg/m ²) | ±10% |
| Roll length | EN1848-1 | 10 | 10 | (m) | -1% |
| Roll width | EN1848-1 | 1 | 1 | (m) | -1% |
| Straightness | EN1848-1 | PASSED | | - | 20 mm / 10 m |
| Flexibility at low temperature (pliability) | EN1109 | -20 | | (°C) | ≤ |
| Heat flow resistance | EN1110 | 90 | | (°C) | ≥ |
| Watertightness | EN1928-B | 60 | | (kPa) | ≥ |
| Watertightness | EN1928-A W1 | PASSED | | (kPa) | 2 kPa/24h |
| Water vapour transmission properties | EN1931 | 20.000 | | (μ) | - |
| M.d. C.d. | | | | | |
| Tensile properties: maximum tensile strength | EN12311-1 | 650 / 500 | | (N/50 mm) | -20% |
| Tensile properties: elongation at break | EN12311-1 | 40 / 40 | | (%) | -15 |
| Resistance to tearing (nail shank) | EN12310-1 | 200 / 200 | | (N) | -30% |
| Dimensional stability | EN1107-1 | ±0,3 / ±0,3 | | (%) | ≤ |
| Peal resistance of joints | EN12316-1 | 80 / 80 | | (N/50 mm) | -20 |
| Shear resistance of joints | EN12317-1 | 650 / 500 | | (N/50 mm) | -20% |
| Resistance to static puncture | EN12730-A | 15 | | (kg) | ≥ |
| Resistance to impact | EN12691-A | 700 | | (mm) | ≥ |
| External fire performance (note 1) | EN1187/EN13501-5+A1 | Froof | | Class | - |
| Reaction to fire | EN11925-2/EN13501-1+A1 | E | | Class | - |
| Root resistance | EN13948 | NPD | | | |
| Determination of adhesion of granules (Loss) | EN12039 | PASSED | | (%) | <30 |
| Visible defects | EN1850-1 | PASSED | | - | - |
| Durability: Flexibility at low temperature after artificial ageing | EN1296/EN1109 | -20 | | (°C) | +15 |
| Durability: Flow resistance at elevated temperature after artificial ageing | EN1296/EN1110 | NPD | | | |
| Durability: Watertightness after artificial ageing | EN1296/EN1928-B | PASSED | | (kPa) | ≥ 60 |
| Durability: Watertightness against chemicals | EN1296/EN1847 | NPD | | | |
| Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Tensile strength | EN1296/EN12311-1 | NPD | | | |
| Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Elongation | EN1296/EN12311-1 | NPD | | | |
| Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Watertightness | EN1296/EN1928-A | W1 | | Class | - |
| Substances dangereuses (notes 2 and 3) | - | CONFORMS | | - | - |

NORMS

EN13707; EN13969; EN13859-1



Top layer in
multi-layer
systems



Under layers
for
discontinuo
s roofing

