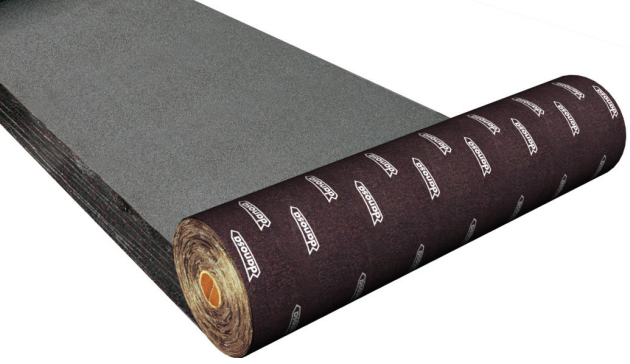


danosa

**ELASTOMERIC MEMBRANES WITH GLASS FIBRE REINFORCEMENT AND MINERAL SLATE**

**TECHNICAL DATASHEET**

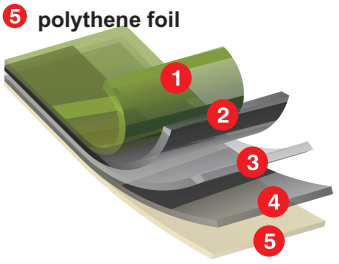
# GLASDAN GPE ELAST

## SURFACE HYDRO INSULATING MEMBRANES

## PRODUCT DESCRIPTION

Elastomeric hydro insulating membrane, produced out of distilled bitumen, modified with SBS (stirol-butadien-stirol) polymer. The reinforcement is made of glass fibre veil. Its bottom surface is covered with easy to be burnt, thin polythene foil that is melting completely and disappears in the torch's gas flame; its face protected by a homogeneous mineral slate layer; there is a loose end for welding by overlapping the neighbouring membrane. The mineral slate not only ensures aesthetic appearence of the assembled roof but is also an additional means of protection against ultra violet rays, ageing and mechanical damage of the membrane structure.

1. **mineral slate**
2. **modified SBS bitumen**
3. **glass fibre**
4. **modified SBS bitumen**
5. **polythene foil**




## APPLICATION

Elastomeric membrane, suitable for:

- Surface layer in hydro insulating covering systems for flat roofs;
- Upper or singular layer for bases and underground walls of buildings.

## SPECIFIC PROPERTIES OF MODIFIED BITUMINOUS MEMBRANES

- Membranes are welded with gas flame burner, at low fuel consumption;
- Perfect adaptation to all kinds of building constructions (concrete, metal, panel, etc.);
- Applicable in residential, public and industrial buildings;
- Harmless to man, no requirements for special means of protection.

## PACKING

*Palettes, wrapped in polythene foil, with the name of the manufacturer and the basic product data printed on the label.*

**DIMENSIONS, PRODUCT RANGE AND PACKING**

| Weight (kg/m2) | Lenght (mm) | Width (mm) | m2 / roll | Number of rolls /palette | m2 / palette |
|---|---|---|---|---|---|
| 4.00 | 10 | 1 | 10 | 25 | 250 |
| 5.00 | 8 | 1 | 8 | 25 | 200 |

**TECHNICAL PARAMETERS**

| Typical Features | | Symbol | Value | Unit | Standard |
|---|---|---|---|---|---|
| Bitumen | | *SBS* | Elastomeric | - | - |
| Reinforcement | | *GLASS* | Glass fibre veil 100 | gr/m² | - |
| Upper face | | *PE* | Melting foil | - | - |
| Bottom face | | *G* | Colored mineral slate: | Grey, red, green, white. | - |
| Softening point | | $t_t$ | > 110 | °C | EN 1427 |
| Flexibility at low temperature | | $t_{(-)}$ | – 20 | °C | EN 1109 |
| Thermal dimensional stability | | $t_{(+)}$ | > 100 | °C | EN 1110 |
| Tensile properties | lengthwise | $\sigma_l$ | > 550 | N / 5cm | EN 12311 - 1 |
| | crosswise | $\sigma_t$ | > 400 | N / 5cm | |
| Break elongation | lengthwise | - | 2 | % | EN 12311 - 1 |
| | crosswise | - | 3 | % | |
| Resistance to tearing | lengthwise | - | > 225 | N | EN 12310 - 1 |
| | crosswise | - | > 225 | N | |
| Resistance to static loading | | *L* | 10 | kg | EN 12730 |
| Resistance to impact /polystirol of thickness: 20kg/m2 | | *I* | 20 | mm | EN 12691 |
| Number of water vapor transmission properties | | $\mu$ | > 20 000 | - | EN 1391 |
| Reaction to fire | | *E* | Self-extinguishing | - | EN 13501 - 1 |
| Product certificate | | Cer. No. 032/000844/27.12.2004 | | AENOR, MADRID (ES) | EN 104 242 |
| Bulgarian Technical Approval | | Protocol № 735-05/ 19.04.2005 | | CRICM, Sofia | EN 13707 |
| Quality Management System | | Cer. No. ES-0082 / 01.08.1999 | | IQNet, AENOR (ES) | ISO 9001:2000 |

*Any information contained in this datasheet describes the product properties applicable as at the time of issue. With respect to continuous development of these materials, changes to their properties may take place from time to time.*

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