

ESTERDAN 30 P ELAST. AUTOADHESIVO

ESTERDAN 30 P ELAST. AUTOADHESIVO is a waterproofing bituminous sheet with non self-protected surface, LBM(SBS)-30-FP. Composed of a non-woven polyester felt reinforcement, covered with SBS modified bitumen mastic (self-adhesive on one side). A polyethylene film is used as anti-adherent material on the upper side and a siliconated polypropylene is used on the lower side.



CE MARKING



Identification number of the Certification Body: 1035

DERIVADOS ASFALTICOS NORMALIZADOS S.A.
Calle La Granja 3 (28108 - Alcobendas, MADRID)

Year in which the CE marking was affixed: 2006
Certificate number CPF: 1035-CPD-ES044104
European standard EN 13707 and EN 13969 (A) y (T) .

Produced at: Polígono Industrial Sector 9 (19290 - FONTANAR, Guadalajara)

Membrane of 1 m x 12 m x 3.0 kg/m² composed of SBS modified bitumen with non-woven polyester felt. A polyethylene film is used as anti-adherent material on the upper side and a siliconated polypropylene is used on the lower side. Application by self-adhesion.

| TECHNICAL DATA | VALUE | UNIT | STANDARD |
|---|-----------|-------|-----------------------------------|
| Reaction to fire | E | - | UNE-EN 11925-2; UNE-EN 13501-1 |
| Watertightness | Pasa | - | UNE-EN 1928 |
| Longitudinal tensile strength | 700 ± 200 | N/5cm | UNE-EN 12311-1 |
| Transversal tensile strength | 450 ± 150 | N/5cm | UNE-EN 12311-1 |
| Longitudinal elongation at break | 45 ± 15 | % | UNE-EN 12311-1 |
| Transversal elongation at break | 45 ± 15 | % | UNE-EN 12311-1 |
| Resistance to root penetration | No Pasa | - | UNE-EN 13948 |
| Resistance to static loading | >15 | kg | UNE-EN 12730 |
| Resistance to impact | >900 | mm | UNE-EN 12691 |
| Longitudinal resistance to tearing (nail shank) | 220 ± 40 | N | UNE-EN 12310-1 |
| Transversal resistance to tearing (nail shank) | 220 ± 40 | N | UNE-EN 12310-1 |
| Joint strength: peel resistance | PND | - | UNE-EN 12316-1 |
| Joint strength: shear resistance | 450 ± 150 | - | UNE-EN 12317-1 |
| Flexibility at low temperature | < -15 | °C | UNE-EN 1109 |
| Humidity resistance factor | 20.000 | - | UNE-EN 1931 |
| Dangerous substances | PND | - | - |
| Flexibility at low temperature (pliability) | -5 ± 5 | °C | UNE-EN 1109 |
| Flow resistance at elevated temperature | 100 ± 10 | °C | UN-EN 1110 |

Pasa = Positive or correct No pasa = Negative PND = No performance determined - = Not necessary

ADDITIONAL TECHNICAL DATA

| ADDITIONAL DATA | VALUE | UNIT | STANDARD |
|--|-------|-------------------|---------------|
| Mass per unit area (nominal) | 3.0 | kg/m ² | - |
| Mass per unit area (minimum) | 2.85 | kg/m ² | - |
| Nominal thickness | 2.5 | mm | - |
| Flow resistance at elevated temperature | > 100 | °C | UN-EN 1110 |
| Dimensional stability at elevated temperature (longitudinal) | < 0.6 | % | UNE-EN 1107-1 |
| Dimensional stability at elevated temperature (transversal) | < 0.6 | % | UNE-EN 1107-1 |
| Adhesion of granules | PND | % | UNE-EN 12039 |

Membranes thickness tolerance: = -0,3 mm, apart from membranes with thickness 2 and 2,4 mm whose tolerance is = -0,2 mm.
Membranes mass per unit area tolerance: -5% (mini) and + 10% (maxi) from nominal value.

DECLARATION OF CONFORMITY



DERIVADOS ASFÁLTICOS NORMALIZADOS S.A.
Calle La Granja 3 (28108 - Alcobendas, MADRID)

Membrane of 1 m x 12 m x 3.0 kg/m² composed of SBS modified bitumen with non-woven polyester felt. A polyethylene film is used as anti-adherent material on the upper side and a siliconated polypropylene is used on the lower side. Application by self-adhesion.

This product is according to the Z.A. Annex of the UNE-EN 13707 and 13969.
The roll must be stored upright and protected against atmospheric conditions and dampness. The Application cannot be done under temperatures lower than +10 °C.

Certificate number CPF: 1035-CPD-ES044104

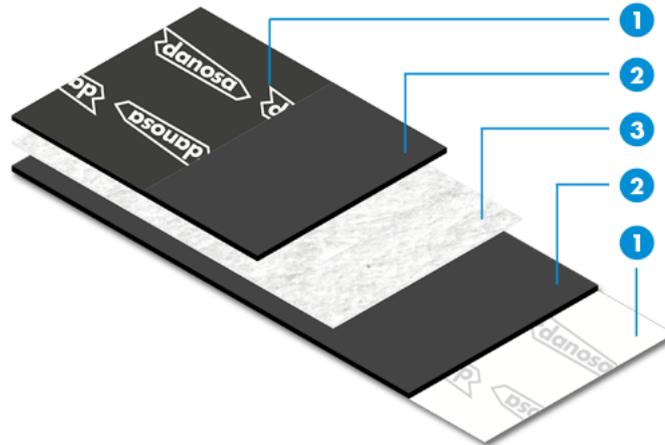
José Antonio Manzarbeitia Valle
Manager Quality and R&D Manager.
Fontanar, March 01st 2009

STANDARDS AND CERTIFICATION

UNE EN 13707 standard.
UNE EN 13969 standard.
CE marking.
DIT 567/11 "ESTERDAN – SELF DAN – POLYDAN ESTRUCTURAS ENTERRADAS".
CCT Qualiconsult " Esterdan E Autoadhesif".

PRESENTATION

| PRESENTATION | VALUE | UNIT |
|------------------|--------|----------------|
| Length | 12 | m |
| Width | 1 | m |
| Roll surface | 12 | m ² |
| Rolls per pallet | 28 | rolls |
| Product Code | 141801 | - |



1. polyethylene film
2. SBS modified bitumen
3. non-woven polyester felt

INDICATIONS AND IMPORTANT RECOMMENDATIONS

- For the application of the transversal overlap of the edges of the rolls, it is necessary to warm up the overlap polyethylene film in a section of 8-10 cm and then bond the contiguous roll.
- ESTERDAN 30 P ELAST. AUTOADHESIVO should not be applied with temperature below +10°.
- Must be stored in a dry place protected from rain, sun, heat and cold temperatures.
- Sun exposure of the product may difficult the removal of the polyethylene non-stick film.

WARNING

The information that appears in the following document makes reference to the uses and utilities of danosa's products and systems, and it is based on the knowledge that have been learnt until present, by Danosa. This is only possible if products have been stored and used in an appropriate way.

Nevertheless, Danosa is not responsible for unsuitable uses of the products neither any other facts, such as meteorological facts. So Danosa is just responsible for the quality related to the provided products.

Danosa reserves the right to carry out modifications without previous notice.

The values that appear in the technical sheet are the results of the tests that have been performed in our laboratory. October 2011.

Web site: www.danosa.com E-mail: export@danosa.com Phone number: +34 949 888 210