# GLASDAN 30 P POL

GLASDAN 30 P POL is a waterproofing bituminous sheet with non self-protected surface of 3.0 kg/m².rComposed of a fibreglass reinforcement and covered on both sides with polymer modified bitumen mastic. A polyethylene film is used as anti-adherent material on both sides.rTested according to standard EN test methods.

## Presentation

- Width (cm): 100
- Thickness (mm): 2.5
- Length (cm): 1200
- Surface (m²): 12
- Código de producto: 141622

## Technical Data

| Concept | Value | Norm |
|---|---|---|
| External fire behaviour | Broof(t1) | UNE-EN 1187 |
| Density (kg/m³) | 1200 | - |
| Durability flexibility | -5 ± 5 | - |
| Creep durability (ºC) | 120 ±10 | UN-EN 1110 |
| Elongation at break longitudinal (%) | NPD | UNE-EN 12311-1 |
| Elongation at transverse break (%) | NPD | - |
| Humidity resistance factor | >100.000 | UNE-EN 1931 |

| Concept | Value | Norm |
|---|---|---|
| Low temperature flexibility (ºC) | <-15 | UNE-EN 1109 |
| Mass per unit area (nominal) (kg/m²) | 3 | - |
| Reaction to fire | E | UNE-EN 11925-2; UNE-EN 13501-1 |
| Resistance to root penetration | No pasa | - |
| Longitudinal tensile strength (N / 5cm) | 350 ± 100 | - |
| Transverse tensile strength (N / 5cm) | 250 ± 100 | - |
| Longitudinal resistance to tearing (nail shank) (N) | PND | - |
| Transversal resistance to tearing (nail shank) (N) | PND | - |
| Hazardous substances | PND | - |

## Addtitional Technical Data

| Concept | Value | Norm |
|---|---|---|
| Adhesion of granules (%) | NPD | UNE-EN 12039 |
| Dimensional stability at elevated temperatures (longitudinal) (%) | NPD | UNE-EN 1107-1 |
| Dimensional stability at high temperatures (transversal) (%) | NPD | - |
| Creep resistance at high temperatures (ºC) | >130 | UN-EN 1110 |

## Application Data

| Concept | Value |
|---|---|

## Environmental Information

| Concept | Value | Norm |
|---|---|---|
| Volatile organic compounds (COV's) (µg/m³) | 50 (A+) | ISO 16000-6:2006 |
| Recycled content afterword the consumer (%) | 35 | - |
| Manufactured in | Fontanar | - |

## Standards and Certification

- In accordance with the UNE-EN 13707 standard for flexible sheets for waterproofing. Reinforced bituminous sheets for roof waterproofing. Definitions and characteristics.
- In accordance with the UNE-EN 13969 standard for flexible sheets for waterproofing. Bituminous anti-capillary sheets including bituminous sheet for sealing buried structures. Definitions and characteristics.

- In accordance with the UNE-EN 13970 standard for flexible sheets for waterproofing. Bitumen sheets for water vapour control. Definitions and characteristics.
- It complies with the requirements of the Technical Building Code (CTE).
- Complies with CE marking requirements.
- DIT 550R/16 "ESTERDAN PENDIENTE ZERO".
- Application Document DA18/2009.

## Scope

- Anti-capillary barrier in walls.
- Two-layer membrane underlay for waterproofing of roofs with heavy bonded and unbonded protection.
- Two-layer membrane underlay for the waterproofing of self-protected bonded roofs.
- Bottom reinforcement in improved single-ply waterproofing membranes for waterproofing of roofs with heavy bonded, non-bonded or floating protection.

## Advantages & Benefits

- Little thermal variation.
- Great dimensional stability.
- Total impermeability to water and water vapour.
- Limits stresses in the waterproofing membrane.
- Allows for adaptation to any type of geometry.
- Allows for working with molten asphalt.

## Support

- Roofs with heavy bonded, unbonded or floating protection
- Over compatible thermal insulation.
- Concrete supports
- Mortar supports

## Instruction for Use

Substrate Preparation:rr- The base surface must be clean, dry and free of debris to provide maximum adhesion.r- A bituminous primer may be needed depending upon the condition of the substrate. We recommend Curidan, Impridan 100, Maxdan or Maxdan Caucho.r- In case of non-porous substrates we recommend that a test application is made to ensure correct adhesion.r- In case of thermal insulations boards a primer is not necessary.rrProduct application: rr-For ease of installation, it is recommended to cut rolls into smaller and more manageable size.r-Remove the release liner and install whilst applying pressure onto the surface. Start from the center and spread to the outside edges.r- The use of a roller is recommended to improve adhesion.

## Indications and Important Recommendations

- In case of new construction and renovation, possible chemical incompatibilities with other sheets shall be taken into account.
- In case of renovation, chemical incompatibilities with old waterproofing consisting of flexible PVC sheets, modified tar-based mastics or any other, shall be taken into account, and it may be necessary to remove them completely or to use suitable separating layers (geotextiles, mortar layer,

polyethylene film, etc).
- If it is necessary to adhere to metallic or slightly porous elements, a bituminous primer (IMPRIDAN 100) shall be applied to the entire surface to be welded beforehand.
- This product may form part of a waterproofing system, so all the documents referred to in the Danosa Solutions Manual must be taken into account, as well as all the regulations and legislation that must be complied with in this respect.
- Sheets made of plastomeric bitumen require more blowtorch input than sheets made of SBS elastomeric bitumen in order to work properly. It is important to take this aspect into consideration when welding the sheets to the substrate, when welding the overlaps of the sheets and when welding the sheets to each other.
- NOTE: For more information on the Danosa systems in which this product is used, please see the document "Waterproofing Solutions".
- There is no chemical incompatibility between the Danosa range of oxyasphalt, SBS elastomeric bitumen and plastomeric bitumen sheets.
- Do not use as a top sheet on green roofs.
- Do not use in single-coat system.
- Possible incompatibility between thermal insulation and waterproofing shall be checked.
- A separating layer (DANOFELT or DANODREN) shall be laid before laying the heavy protection (paving, gravel, topsoil, etc).
- Polyurethane foam shall not be sprayed directly on top of the waterproofing without the use of a suitable separating layer (geotextiles, mortar layers, polyethylene film, etc).
- If expansion that could affect the sheet is expected, a geotextile separating layer (Danofelt PY 200) shall be used between the sheet and the extruded polystyrene insulation panels, so that each product expands independently.

## Maintenance Recommendations

- Maintenance requirements for Danosa Roofing Products The following maintenance checks must be adhered to: - A general examination on the condition of the waterproofing and surrounding roof components. - An inspection of all functional roofing elements including skylights, outlets, upstands, penetrations and any other visible roofing components. - Clean outlets, drains, gutters and remove any debris from the roof. - Periodic removal of mildew, moss, herbs or any other kind of vegetation that has been accumulation on the waterproofing. - Periodic removal of possible sediments accumulated on the deck (silt, sledges, slate granules, etc) by occasional water accumulation. - Periodic removal of debris and small objects that may have accumulated on the roof. - Ensure surrounding structural elements are sound such as eaves, flashings, slate tiles and brickwork. - Ensure that the waterproofing is in good condition and there are no blisters, damage or separation. - Review the condition of the waterproofing (adherence to upstands, condition of overlaps, visual appearance, etc) and repair the defects observed. These operations must be carried out twice a year, preferably at the beginning of spring or autumn and must be increased in case of decks or valleys with zero falls. It is also necessary to perform additional maintenance depending on the type of roof, location and proximity of roofs to areas with trees or in areas with high levels of pollution. More details on the document Maintenance and repair recommendations for flat roofs waterproofed with modified bitumen sheets

## Warning

- Do not apply on icy or wet surfaces.

## Handling, storage and preservation

- Before moving the pallet, the condition of the shrink-wrap is checked in order to reinforce it if necessary.
- The product must be stored in a dry place protected from rain, sun, heat and low temperatures.
- The product will be stored in an upright position.
- Handle with a crane with a protective net.
- Pallets shall not be stacked on top of each other.

## Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product.Orders are accepted in accordance with the terms of our current General Sales Conditions.DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation.Website: **www.danosa.com** E-mail: **info@danosa.com** Telephone: **+34 949 88 82 10**