

April 2021

SOLAR REFLECTANCE INDEX STATEMENT FOR BITUMEN WATERPROOFING MEMBRANES

Dear Sirs,

We hereby inform you that the following bitumen waterproofing membranes manufactured according to EN 13707 Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing – Definitions and characteristics, as specified in ISO 9001 Quality Management Systems and ISO 14001 Environmental Management System, have a Solar reflectance Index (SRI) of 35:

- GLASDAN 40/GP ERF ELAST BLANCO
- ESTERDAN PLUS 40/GP ELAST BLANCO
- ESTERDAN PLUS 50/GP ELAST BLANCO
- POLYDAN 180-50/GP ELAST BLANCO
- POLYDAN NOX 180-50/GP ELAST +
- POLYDAN NOX PLUS FM 180-50/GP ELAST +

The test report nº 24795-3 from TECNALIA evaluates the product ESTERDAN PLUS 50/GP ELAST, with from the IRS point of view, is the most adverse product. Therefore, this value can be applied to the whole GP range of products with self-protection of white mineral slate granule.

ESTERDAN PLUS 50/GP ELAST is the one with the highest thickness of bitumen (black modified bitumen) which has a negative influence on both solar reflectance as in the solar emitted, to calculate the IRS according to ASTM E 1980-01. The rest of evaluated product range has a lower thickness, so their IRS will always be higher than 35.

Please consider this information for the selection of construction products in order to minimize the effect on microclimates and habitants for people and wildlife due to the reduction of heat islands.

For further information on this matter, please do not hesitate to contact our technical department.



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