

DECLARATION OF PERFORMANCE

Declaration of Performance – DoP315-SE16 Titanium+-E – v2020-2.0



EN13956 05 1071

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NO. DoP315-SE16 Titanium+-E

1	Unique identification code of the product-type:	Protan SE1,6 Titanium+
2	Identification of the construction product in accordance to article 11(4):	The rolls are labelled individually with an unique serial number. NN/DD (production number/year) embossed directly on the membrane.
3	Intended use of the construction product :	Polyester reinforced flexible PVC-membrane for roofing and waterproofing
4	Contact address of the manufacturer in accordance to article 11(5):	Protan AS, Baches vei 1, N-3413 Lier, Norway
5	Authorised representative:	Not relevant (See 4.)
6	System of assessment and verification of constancy of performance of the construction product as given in annex V:	System 2+
7	Declaration of performance for the construction product covered by a harmonised standard:	EN 13956:2012 - Annex ZA SINTEF Building and Infrastructure, EU-Notified Body No1071 has issued EC-Certificate of Conformity 1071-CPR-1142 under System 2+, initial inspection of the manufacturing plant and factory production control, initial type testing and continuous surveillance and sampling and testing of the product.
8	Construction Product covered by a European Technical Assessment:	Not relevant (See 7.)

9. Declared performance:

Essential characteristics	Performance	EN 13956:2012
External Fire performance	F _{ROOF} (t*)	EN13501-5
Reaction to fire	Class E	EN 13501-1
Water tightness (10kPa)	Pass	EN 1928(A)
Tensile strength L/T	MLV \geq 1100 N/50mm	EN 12311-2(A)
Elongation L/T	MLV \geq 15 %	EN 12311-2(A)
Resistance to impact	MLV \geq 600 mm	EN12691(A)
Resistance to static load	MLV \geq 20 kg	EN 12730(C)
Tear resistance L/T	MLV \geq 210 N/50mm	EN 12310-2
Joint peel resistance, maximum	MLV \geq 200 N/50mm	EN 12316-2
Joint peel resistance	Failure mode C**)	EN 12316-2
Joint shear resistance	MLV \geq 1000 N/50mm	EN 12317-2
Foldability at low temp	MLV \leq -25 °C	EN 495-5
Exposure to UV	Pass >5000h	EN 1297
Dangerous substances	None	
Resistance against root penetration	Pass	FLL/EN13948

*) The external fire performance of a roof is dominated by the buildup and components not delivered by Protan AS. Due to this, the external fire performance cannot be declared in this DoP. Protan AS has tested build ups according to ENV1187, and provides fire classifications on several actual build ups according to EN 13501-5 on request or can be found at "www.Protan.com"

**) No failure of the joint. This is the best possible joint.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by: Erik Bødtker Øyno, CEO, Protan AS

Drammen, 10.08.2020
(Place and date of issue)



(Signature)

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Ecology, Health and Safety Information

A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed to bring this product to the market, to transport or to use it. The product does not damage the environment when used as specified.

REACH

European Community Regulation on chemicals and their safe use: EC 1907/2006

This product is an article within the meaning of Regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. There are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

Protan Legal Notice

The details provided in this document, especially the recommended application and utilisation for the products and their system accessories, are based on Protan's current knowledge and experience of the products when properly stored, handled and installed under normal conditions according to Protan's recommendations. A warranty in respect of merchantability or of fitness for a particular utilisation, nor any liability arising out of any legal relationship whatsoever, cannot be inferred either from this information, or from any written or verbal recommendations, due to the differences in materials, substrates and actual site conditions in practice. The user of the product is responsible for the product's suitability for the intended application. Protan reserves the right to change product specifications without notice. Additionally, Protan's current sales and delivery terms are valid and applicable for all orders.

It is necessary for the user to always refer to the latest version of the relevant Product Data Sheet, which can be requested directly from Protan. All information provided, as well as technical and drawing data, complies with current technical standards and is based on Protan's knowledge and experience. In addition, national standards and regulations must be observed where appropriate.

FOR FURTHER INFORMATION:

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