



PROTAN GT 2,4

Product Description:

Protan GT 2,4 is a high quality fiberglass reinforced thermoplastic waterproofing membrane. Protan GT 2,4 contains stabilizers, which makes the product resistant to high and low temperatures, UV-resistant and flame retardant.

Application Areas:

Exposed terrace covering: Protan GT 2,4 waterproofing membrane is used as an exposed covering on terraces with pedestrian traffic. The membrane is fastened mechanically to substrates which are dimensionally stable.

Walkway: Protan recommends the hot air welding of an extra layer of contrast colour Protan membrane in the walkway area. Protan GT 2,4 may be used as an extra robust walkway membrane when heavy traffic or plant maintenance is expected on the roof.

Characteristics / Benefits:

- The membrane has a textured surface which provides increased friction and an aesthetic finish.
- The membrane is welded together using hot air which provides a homogenous joint.
- Installation is safe without the use of an open flame.
- Weather independent installation.
- Protan membrane can be recycled and has a low carbon footprint.

Table 1: Product properties

PROPERTY	VALUE	UNIT	EN 13953 - TEST METHOD
Thickness	2,4 (-5/+10%)	mm	EN1849-2
Tensile strength L/T	≥ 600	N/50mm	EN12311-2(A)
Elongation L/T	≥ 200	%	EN12311-2(A)
Tear strength trapezoidal	≥ 130	N/50mm	EN12310-2
Dimensional stability	± 0.1	%	1107-2:2001
Foldability at low temperature	≤ -30	°C	EN495-5
Resistance to static load	≥ 20	Kg	EN12730(C)
Resistance to impact	≥ 900	mm	EN1269(A)
Joint shear resistance	≥ 550	N/50mm	EN12317-2
Water vapour resistance	33	m	ISO 12572:2001
Water tightness (10 kPa)	Pass		1928:2000 (A)
Water tightness (150 kPa)	Pass		
Dangerous substances	None		
Reaction to fire	Class E		EN13501-1

Colours and Protan colour codes:

UPPER SURFACE: Protan colour code ¹⁾	Light grey, F91	Dark Grey, F94	Green, F45		
UNDER SIDE:	Dark grey				

Dimensions / packaging: Protan GT 2,4

Width:	2m
Length:	10m
Roll:	20m ² /54kg + core
<i>Other widths and lengths can be delivered to order.</i>	

Health, Environment & Safety:

There is no requirement for a material safety data sheet according to EC-regulation 1907/2006, article 31. The product does not harm the environment when used as specified.

Environment:

Protan GT contains no substances which are listed on REACH/ ECHA's (European Chemicals Agency) candidate list.

The membrane contains no priority environmental pollutants or other relevant substances in quantities considered to be hazardous to health and the environment.

Leaching from the product is assessed to not adversely affect soil, ground water or drinking water.

An EPD is available for the product.

Installation details:

Installation must be carried out by a Protan Authorised Roofing Contractor. The membrane is welded using hot air and shall be installed according to the Protan Technical Installation Manual and associated Protan Technical Information Sheets.

Storage:

Protan membrane should be kept dry with the rolls placed on pallets and protected at the building site with tarpaulins or similar.

Approvals:

[Protan AS SINTEF Certification](#)

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.

PRODUCT DATA SHEET

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.