

Protan PVC Coated Fabrics for Industrial Applications

v 2.0

Quality: 146, 147, 148, 149, 738

Product description

We need to protect our environment, the ocean, our precious water resources, and our surroundings against environmentally hazardous fluids, such as oils, chemicals, and industrial by-products. Protan's PVC fabrics utilise special coatings which are particularly suited for these demanding and important application areas.

Product properties

- Superior weather- and environmental resistance.
- The qualities are resistant against UV radiation.
- Working temperatures in the range -30 to +70 °C.
- The fabrics are welded together using high frequency and/or hot air techniques, providing homogenous, strong joints.
- The qualities are easy to clean and maintain.
- The fabrics can be recycled and has a low carbon footprint.
- Selected qualities have excellent chemical resistance.
- The light duty fabric has excellent form stability (Symetricon design).

Characteristics	Light duty fabric	Heavy duty fabric	Test method
Qualities	Two-sided lacquer: 738	Non-lacquered: 146, 147, 148, 149, 150	
Type of coating	PVC	146, 147: PVC/ PUR 148, 149: PVC	
Textile construction	Warp knitted	Woven	
Mass per unit area (g/m ²)	975	146: 1000 147: 1500 148: 1450 149: 1350	EN 1849-2
Effective thickness (mm)	0.75	146: 0.80 147, 148, 149: 1.25	EN 1849-2
Tensile strength, L/T (N/50 mm)	4000 / 4000	146: 3400/3400 147, 148, 149: 9000 / 8500 150: 10000/10000	EN 12311-2
Elongation, L/T (%)	20 / 20	146, 147, 148, 149: 20 / 20	EN 12311-2
Tear resistance, L/T (N)	900 / 800	146: 800/650 147, 148, 149: 2000 / 2200 (DIN 53356)	EN 12310-2

Adhesion (N/50 mm)	100	146, 147, 148, 149: 100	DIN 53357
Foldability at low temperature (°C)	N/A	N/A	EN 495-5
Resistance to creep (%) *	< 0.20	N/A	Protan test
Chemical resistance	Very good	146, 147, 148: Premium 149: Average	Protan assessment
Fire classification	N/A	149: Passed ISO 11925-2	EN 13501-1

*Test from same product family.

Dimensions and Colours

- Width: 2.04 m
- Length: According to order
- Roll weight: According to order
- Colours: A broad range of colours are available, both standard colours and custom-made (the most popular colours are shown below with colour codes).



Health, Environment, and 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.

Protan PVC coated fabrics 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.

Shelf Life

5 years from date of production, in unopened, undamaged – original packaging.

Storage Conditions

Product must be stored in dry conditions and temperatures between +5 °C and +30 °C, protected against direct sunlight. Store in a horizontal position on a pallet. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage.



Protan AS
P. O. Box 420 Brakerøya, N-3002 Drammen, Norway
Phone: +47 32 22 16 00 Fax: +47 32 22 17 00

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.



Protan AS
P. O. Box 420 Brakerøya, N-3002 Drammen, Norway
Phone: +47 32 22 16 00 Fax: +47 32 22 17 00