

Protan PVC Coated Fabrics

v. 1.3

Quality: 453 – 753 – 953 – 900 – 900-D3

Product description

PVC coated fabrics possess superior performance qualities for temporary structures, such as fabric halls for storage, industry, sports, retail, etc. The fabrics can serve as a climate protection barrier in both single-skin and double-skin constructions. Fabric constructions with a weight of 700 g/m² are intended for light duty service, while 900 g/m² fabric constructions are designed for heavy duty applications.

Product properties

- Superior weather- and environmental resistance.
- The product is resistant against UV radiation.
- Working temperatures in the range -30 to +70 °C.
- The membrane is welded together using high frequency and/or hot air techniques, providing homogenous, strong joints.
- The product is easy to clean and maintain.
- The product can be recycled and has a low carbon footprint.

Characteristics	Light duty fabric	Heavy duty fabric	Test method
Qualities	Non-lacquered: 453 Topside lacquer: 753 Non-lacquer + blackout: 953 Topside lacquer + blackout: 953L Two-sided lacq. + blackout: 953T	Non-lacquered: 900 Topside lacquer: 900-S3 Two-sided lacquer: 900-D3	
Textile construction	Woven	Woven	
Mass per unit area (g/m ²)	700	900	EN 1849-2
Effective thickness (mm)	0.57	0.75	EN 1849-2
Tensile strength, L/T (N/50 mm)	3000 / 3000	3800 / 3800	EN 12311-2
Elongation, L/T (%)	20 / 25	20 / 21	EN 12311-2
Tear resistance, L/T (N)	450 / 350	900 / 1000	DIN 53356
Adhesion (N/50 mm)	100	120	DIN 53357
Foldability at low temperature (°C)	-30	-30	EN 495-5
Fire classification	B-s2,d0	B-s2,d0	EN 13501-1: 2018
	B-s2,d0	B-s2,d0	EN 13823:2020 + A2022
	Class E	Class E	EN ISO 11925-2:2020

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 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.

