

PRODUCT SPECIFICATION – GRUPO CIPATEX



N° EP: 606

Elaboration: 12/04/2018

Review: 01

Review Date: 19/06/2018

Product:

Cipageo DG

Composition:

Geomembrane of Polyvinyl chloride (PVC) coupled to double Geotextile

Description:

Cipageo DG is a flexible, homogeneous Polyvinyl Chloride (PVC) geomembrane, coupled with a geotextile of polyester.

Fields of Application:

Waterproofing both in land works, as ponds, canals, reservoirs, among others.
Waterproofing concrete structures, such as retaining walls, water reservoirs, among others.

Features and Benefits

- ✓ Resistance to mechanical impacts;
- ✓ Excellent dimensional stability;
- ✓ Facility and agility in the installation;
- ✓ Conformability of the most diverse surfaces;
- ✓ High resistance to perforations.

Product characteristics

- ✓ Material supplied in rolls.
- ✓ Rolls provided in the widths of 1,40 to 2,00 m.

Packaging and Storage:

It is recommended that the geomembrane supplied in rolls should be stored in the original packaging, horizontally in smooth areas without piercing elements in a cool and dry place. They should be protected from direct sunlight, rain, frost and so on.

Note

- *Recommendation for stacking.*

Coil weight	Stacking
0 a 100 Kg	10 coils
101 a 200 Kg	8 coils
201 a 300 Kg	5 coils
301 a 400 Kg	3 coils
Above 401 Kg	2 coils

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Technical Features:

Property	Unit	Limit		Test Method *	
		CIPAGEO DG200	CIPAGEO DG300		
Geotextile weight	g/m ²	200 ± 15	300 ± 15	NBR 12568	
Geomembrane Thickness (only PVC)	mm	0,80	0,80	ASTM D5199	
		± 0,04	± 0,04		
Border width without geotextile	m	0,07 ± 0,03	0,07 ± 0,03	ASTM D3774	
Width	m	1,40 and 2,15 ± 0,03	1,40 and 2,15 ± 0,03	ASTM D3774	
Grammage	g/m ²	1500	1700	ASTM D751	
		± 15%	± 15%		
Traction (minimum)	Longitudinal	N/50mm	1500	1600	ASTM D751
	Transversal	N/50mm	1400	1500	ASTM D751
Tear strength (minimum)	N	700	800	ASTM D1004	
Puncture (minimum)	N	900	1000	ASTM D4833	
Dimensional Stability (maximum)	%	3	3	ASTM D1204	

(*) Tests and tests in general must be carried out in controlled environments according to the technical standard of reference.

Warranty:

Upon request, specifying the location of installation and the purpose of the use.

Chemical resistance:

Upon request, specifying the location of installation and the purpose of the use.

Application conditions / limitation

It is recommended that welding, installation and related services are always carried out by properly qualified professionals.

Colors and shades are subject to natural change over time.

For any and all uses of Cipageo DG other than water containment, it is necessary to consult the manufacturer.

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In the event of repairs (holes, tears, etc.) of the Cipageo DG, the aesthetic question of the product will be prejudiced against the material originally supplied.

In the case of products for protected use, it is necessary to cover the same with a minimum of 35 cm of soil clean, cohesive and free of punctures or that can damage the geomembrane, this protection must remain constant throughout its useful life. The design must predict depending on the soil granulometry both at the top and bottom of the geomembrane the need for geotextile protection.

In cases where there are no projects for slope inclination, it is recommended that slopes should have a maximum slope from 3 (H) to 1 (V) for land.

Cipageo DG should not be placed on materials that could attack it, such as materials derived from asphalt and old waterproofing.

In landforms, such as ponds and lakes, one must consider the effect of erosion and wave action.

It is highly recommended to use rip-rap (rockfall), protection of slopes with concrete, and predict erosion control.

If further information is required, contact Cipatex service.

For the supply of Cipageo DG in panels pre-welded in dimensions presented in the product presentation, consult the manufacturer about the possibility and measures.

It is recommended that the product be applied and handled at 5 ° C to 50 ° C for both room temperature and material temperature.

In the case of welding, it is recommended to evaluate the environmental conditions, the cleaning of the surfaces to be welded, as well as the machine parameters such as speed, pressure and temperature (check with the equipment manufacturer)

Application Information

For more information on product application, consult the manufacturer about the product's application manual.

Legal Aspects

The information contained in this specification is intended to understand the characteristics and applications of the Cipageo DG, having been elaborated based on the existing literature and, in results of laboratory analyzes of the Cipageo DG.

The present specification does not constitute a guarantee nor an assertion of suitability of the user, since it is necessary to analyze the place and the purpose of the application, since the conditions of the place of installation and application are variables that influence the characteristics of the product.

The decision to use Cipageo DG is solely and exclusively the responsibility of the buyer.

Observe the rules, standards and installation practices in force at each location, as well as the approval procedures and technical specifications of the project.

In case of purchase for resale, the rules of advertising, packaging, labeling, indication of composition, etc., as well as informing and orienting the end user about the information and guidelines related to the Cipageo DG must be observed.

The manufacturer shall not be liable for damages or losses arising from irregularities and defects arising from installation and / or welding of the Cipageo DG, as well as from improper use of the product.

For exposed use of the Cipageo DG please refer to the warranty conditions.

Always check for the updated version of this specification.

Information contained in this specification may be updated without notice.

This specification cancels those previously issued

Safety Information

For more information on the storage, handling and disposal of waste see our Material Safety Data Sheet (MSDS) which provides clarification on various aspects of the Cipageo DG product regarding safety, health and the environment.

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