



CROMASEAL

Issue 4 - November 2008

Description:

Cromaseal is a self-adhesive bituminous waterproofing membrane self-protected with a cross-laminated HDPE film. It consists of a very adhesive bituminous compound that remains adhesive even at low temperatures. The cross-laminated high-density polyethylene film gives the membrane characteristics of dimensional stability and ensures uniform reaction to elongation stresses in a longitudinal and transversal direction. Cromaseal also protects against harmful infiltrations of Radon and Methane Gas, and withstands heat fluctuations and contact with chemical and/or polluting agents. It can be cold applied on both vertical and horizontal concrete and masonry surfaces and, thanks to its composition, Cromaseal can be exposed to UV rays, for 3-6 months from installation. It offers high mechanical strength, considerable ultimate elongation and good resistance to punching and perforation. The membrane is highly resistant to ageing and possesses good flexibility at low temperatures.

Characteristics:

- Waterproof;
- Self-adhesive;
- Self-sealing;
- Cold applied without use of flame;
- Excellent shape stability;
- Radon and Methane Gas barrier;
- Full adhesion to support;
- Resistant to tearing and perforation;
- Flexible;
- Controlled thickness.

Advantages:

- Quick installation;
- Installation does not require skilled personnel;
- Elimination of risks deriving from the use of open flames;
- Excellent performance;
- Versatile.

Uses:

- Waterproofing of foundations and/or horizontal and vertical underground structures;
- Waterproofing on insulation systems that are not fireproof;
- Waterproofing of multi-level garage floors, foundations, tunnels, terraces, flat/sloped roofs.

Surface Preparation And Installation:

All surfaces on which Cromaseal waterproofing membranes have to be installed must be dry, clean, smooth and free of impurities. If the surface is porous, apply a coat of Primer in a quantity of +/-250g/sgm. The use of Primer is in any case advisable, and the manufacturers instructions must be followed. A wrong use of Primer can influence the membrane efficiency. To achieve the best result, proceed as follows: always start by laying the rolls from the lowest point and work upwards, being careful not to create counter-gradient overlaps. The membrane must be overlap at the edge by at least 6/8cm and on the top by at least 15cm. After installation, press the membrane well, being very careful about details such as comers, edges, connections and overlap.





Storage: The quality and the characteristics of materials remain unaltered for a very long time. It is however best to use the product within 12 months. For correct storage, a dry, covered place is best at a temperature between +5°C and +40°C. The product is not affected by frost. Cromaseal is not suitable for withstanding pedestrian and vehicle traffic.

Technical Data:

Characteristics	Value	Test
Thickness	1.5mm	EN 1849-1
Adhesion to Primed Concrete	>250N	ASTM D 1000
Adhesion to Steel	>250N	ASTM D 1000
Tensile Strength	Long. 215 N/50mm Trans. 220 N/50mm	EN 12311-1
Elongation at Break	Long.324.0% Trans. 238.0%	EN 12311-1
Impact Resistance	Met. A 500mm Met. B 1000mm	EN 12691
Static Load Resistance	Met. A 10kg Met. B 15kg	EN 12730
Tear Resistance	Long. 125 N Trans. 65N	EN 12310-1
Impermeability	≥ 60 Kpa	EN 1928
Vapour Transmission Rate	90000	EN 1931
Water Absorption	0.09%	ASTM D 570
Hydrostatic Test	>6 bar (24 hours)	DIN 52123
	No leakage at 3 bars for 1 hour	DIN 16935
Permeability to Radon Gas	5.7 x 10 ⁻¹² m ² /s	SP Swedish Nat. Testing & Research Institute
Permeability to Methane Gas	<5cc/m ² x 24h x atm	CSI Method
Application Temperature	+5°C/ +45°C	-
Service Temperature	-40°C/ +80°C	-

Health and Safety: Please refer to the Health and Safety Data Sheet on Cromaseal.

Further Information: In the event of further queries or problems concerning the use of this product, please contact the address below:-

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Cromar's products' are available for sale in accordance with Cromar's Standard Terms and Conditions of Sale, which are available upon request. Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our Representatives, Agents, or Distributors, as the conditions of use, and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.

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