



PRODUCT INFORMATION

TYPE OF FOIL

RENOLIT EXOFOL PX

Embossed multilayer film manufactured in accordance with RAL GZ 716/1, for lamination on to substrates for interior and exterior application in vertical assembly of components. Primed on the back of the film

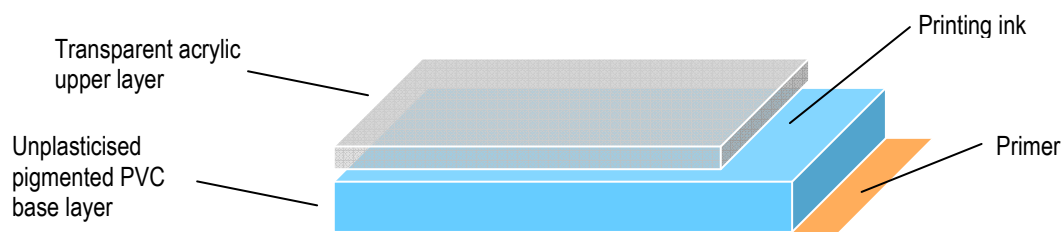
Article Number:

30.30.70 – RENOLIT EXOFOL PX solid colour

30.30.71 – RENOLIT EXOFOL PX printed

Emboss structure 101100, 116700, 116801 (Thickness 200µm)

Emboss structure 808300, 114800, 117900, 119500 (Thickness 190µm)



TECHNICAL DATA

	Standard Test Method	Unit	Values	Tolerances
1 Thickness	DIN EN ISO 4593	µm	190/200	± 15
2 Acrylic thickness	Internal test method	µm	50	≥ 50
3 Tensile stress at break	DIN EN ISO 527 - 3	MPa	20	≥ 20
4 Elongation at break	DIN EN ISO 527 - 3	%	100	≥ 100
5 Dimensional change	DIN 53377	%	4	≤ 4
6 Gloss – 114800	ISO 2813	Measuring unit	9 – 14	
Gloss – 119500	ISO 2813	Measuring unit	6 – 10	
Gloss – others	ISO 2813	Measuring unit	17 – 23	
7 Scratch resistance	Erichsen test 435	cN	20	≥ 20
8 Abrasion resistance	ISO 105 - X 12		Grade 5	
9 Embossing stability	Internal test method	No change in embossing and/or colour		
10 Weatherability	EN 513 - method 1	Colour change ≤ greyscale 3 after the samples have received 12 GJ / m ² , according to the requirements of RAL GZ 716/1		

- to 1: Plunger – 10 mm Ø with flat surface, pressure 50 kPa, measuring over emboss structure
to 3,4: Measurement in machine direction
to 5: 15 Min / 100°C
to 6: Surface with 60° measuring head. Exceptions possible for special colours or decors
to 9: 15 Min. / 95°C
to 10: Greyscale according to ISO 105 - A02

Date of issue 01/2013



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GENERAL PRODUCT INFORMATION

- Profile processing:** Laminated profiles can be welded, following manufacturing guidelines, without affecting the quality of the film. Bending profiles at temperatures over 130°C may lead to an increase in the gloss level on the surface.
The original finish can be closely restored by polishing the surface with great care using appropriate materials e.g. Poli-Quick 2000 from Biochem Cleantec GmbH, Am Oelbach 44, D-33334 Guetersloh, Germany or with polishing grade steel wool (000). Care must be taken to ensure that, as a result, the thickness of the protective acrylic layer is not reduced. If done correctly, there will be no measurable influence on the weather resistance of the film.
- Stress whitening:** Due to the nature of the acrylic film, stress-whitening can occur when forming. Unheated forming of the film, e.g. when pressing sheets at room temperature, is not recommended and will affect the warranty.
- Chemical resistance:** Resistant to normal household cleansing agents e.g. Ammonia water, aliphatic benzene, light alcoholic-water-solutions, cleansing agents (non-abrasive), water and building materials, e.g. cement, gypsum.
Not resistant to any organic solvents, mixtures of organic solvents and preparations containing organic solvents e.g. varnish-thinners, varnish -removers, polish, adhesives.
- Maintenance:** Appropriate cleaning with damp soft cloth with mild detergents, excluding abrasive products. Further maintenance is not required. A list of the recommended cleaners is available from **RENOLIT**.

For further information, please contact **RENOLIT**.

This technical information sheet represents our latest state of knowledge and shall inform without obligation. The herein stated details do not release the manufacturer using our films from their own inspections and tests, which must correspond with the relevant national guidelines for its intended purpose. It is the duty of the customer to determine if the purchased product is suitable for its intended purpose.

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