



PRODUCT - INFORMATION

TYPE OF FOIL

RENOLIT EXOFOL PX

Embossed films, according to RAL GZ 716 / 1, for lamination onto profiles for outdoor use in vertical application.

Primed on the back of the film

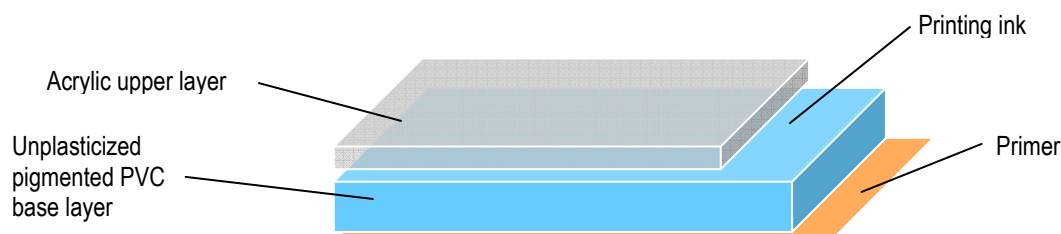
Article - No.:

30.30.70 – RENOLIT EXOFOL PX plain

30.30.71 – RENOLIT EXOFOL PX printed

Emboss structure 101100, 116700 (Thickness 200 µm)

Emboss structure 808300, 114800, 116801, 117900, 119500 (Thickness 190 µm)



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 Weatherability	EN 513 - method 1		Colour change ≤ grey - scale 3 after the samples have received 12 GJ / m ² , according to the requirements of RAL GZ 716 / 1 part 7	
8 Abrasion resistance	ISO 105 - X 12		Grade 5	
9 Scratch resistance	Erichsen test 435		≥ 20 cN	
10 Embossing stability	Internal test method		No change in embossing and colour	

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 7: Grey - scale according to ISO 105 - A02
to 10: 15 Min. / 95°C

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 = 266°F leads to an increase in the gloss level on the surface.
The original finish can be restored by using appropriate materials such as Poli-Quick 2000 (Biochem Cleantec GmbH, Am Oelbach 44, D-33334 Guetersloh, Germany) or steel wool (000). In both cases the abrasive material must be applied with special care to avoid reducing the thickness of the acrylic layer. If applied correctly, there will be no measurable influence on the weatherability of the film.
- 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 organic solvents, mixtures of organic solvents and preparations containing organic solvents (e.g. varnish-thinners, varnish -removers, polish, adhesives).
- Stress whitening:** Due to the nature of the acrylic film, stress-whitening can occur when forming. Unheated-forming of the film, e.g. pressing sheets at room temperature, is not recommended and is likely to affect the warranty. For further information, contact **RENOLIT**.
- Maintenance:** Appropriate cleaning with damp soft cloth with mild detergents, excluding abrasive products. Further maintenance is not required.
A list of the recommended cleansing agents is available from **RENOLIT**.

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

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