

MATERIAL INFORMATION

Woodgrain Foil



Type of Foil:

RENOLIT MBAS Embossed films, according to RAL GZ 716 / 1, for lamination onto profiles for outdoor use in vertical assembly

Article - Nr.:

30.30.10 – RENOLIT MBAS plain
30.30.11 – RENOLIT MBAS printed

Thickness:

200 µm



Technical Data

	<u>Standard Test Method</u>	<u>Unit</u>	<u>Values</u>	<u>Tolerances</u>
1 Thickness	DIN EN ISO 2286-3	µm	200	± 15
2 Acrylic - thickness	PA - QSP 10.1	µm	50	≥ 50
3 Tensile stress at break	DIN EN ISO 527	MPa	20	≥ 20
4 Elongation at break	DIN EN ISO 527	%	100	> 100
5 Dimensional change	DIN 53377	%	4	< 4

to 1: Plunger – 10 mm Ø with flat surface, pressure 50 kPa, measuring over embossing

to 2: RENOLIT - test method

to 5: 15 Min. / 100°C

6 Weatherability

EN 513 - method 1 Colour change ≤ grey - scale 4 after the samples have received 8 GJ / m², according the requirements of RAL GZ 716 / 1 part 7

7 Moisture resistance

DIN 50017 KFW Colour change ≤ grey - scale 3

8 Abrasion resistance

ISO 105 - X 12 grade 5

9 Scratch resistance

Erichsentest 435 20 cN

10 Embossing stability

PA - QSP 10.4 no change in embossing, colour and gloss

to 6: Grey - scale according to ISO 105 - A03

to 7: after 14 days immersion, Grey - scale according to ISO 105 - A03

to 10: RENOLIT - test method, 15 Min. / 100°C



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General Information

Welding of the profiles according to technical rules is possible without a negative influence on the quality of the film. Bending of the profiles at temperatures of max. 130° C = 266° F leads to an increase in the gloss level on the surface. The original finish can be restored by using steel wool (000) to abrade the surface again. The steel wool must be applied with special care to avoid reducing the thickness of the surface protection. There will be no measurable influence on the weatherability of the film.

Profile Processing:

Resistant to normal household cleansing agents e.g. Ammonia water, aliphatic benzine, 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 and the like).

Chemical Resistance:

Resistant to normal household cleansing agents e.g. Ammonia water, aliphatic benzine, 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 and the like).

Whitening:

On bending the film, whitening cannot be avoided due to the nature of the acrylic overlay. A cold deformation of the film, e.g. during pressing of metal sheets at room temperature is not allowed.

Maintenance:

Appropriate cleaning with standard household cleansing-agents, excluding abrasive products. Further maintenance is not necessary. A list of the recommended cleansing agents is available at RENOLIT.

