RENOLIT FAST

Base profiles are made by Tropical Mix compound. This compound is specially engineered for high UV radiation areas.

Tropical mix allows resisting for a long period on the high UV radiation and heat.

That is why we are using special engineered high UV resistant foil made by Renolit Fast. This foil gives us 7 years world wide warranty.

We called this high quality combination product (Tropical Mixed + Renolit Fast) as "SOLEX".

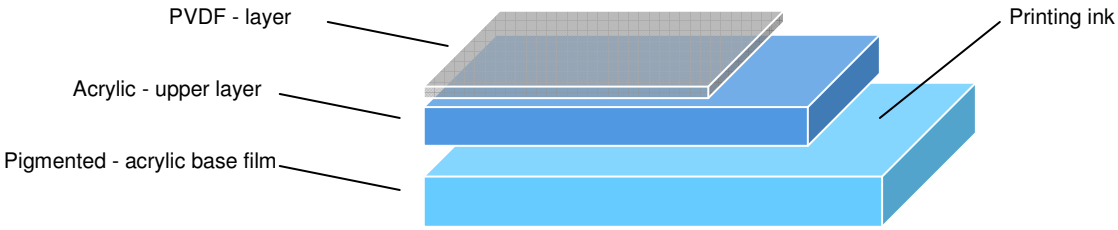
# PRODUCT - INFORMATION

## TYPE OF FOIL

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

**Article - Nr.:** **30.30.30 – RENOLIT FAST** plain
**30.30.31** – **RENOLIT FAST** printed

**Thickness:** 170 µm
**Embossing:** 083




## TECHNICAL DATA

| | | Standard Test Method | Unit | Values | Tolerances |
|---|---|---|---|---|---|
| 1 | **Thickness** | **DIN EN ISO 2286-3** | **µm** | **170** | **± 20** |
| 2 | **Tensile stress at break** | **DIN EN ISO 527 - 3** | **MPa** | **15** | **≥ 15** |
| 3 | **Elongation at break** | **DIN EN ISO 527 - 3** | **%** | **60** | **> 60** |
| 4 | **Dimensional change** | **DIN 53377** | **%** | **5** | **< 5** |

to 1: Plunger – 10 mm Ø with flat surface, pressure 50 kPa, measuring over embossing
to 4: 10 Min / 100° C

| | | | |
|---|---|---|---|
| 5 | **Weatherability** | **EN 513 - method 1** | **Colour change ≤ grey - scale 3 after the samples have received 16 GJ / m², according the requirements of RAL GZ 716 / 1 part 7** |
| 6 | **Moisture resistance** | **DIN 50017 KFW** | **Colour change ≤ grey - scale 3** |
| 7 | **Abrasion resistance** | **ISO 105 - X 12** | **Grade 5** |
| 8 | **Scratch resistance** | **Erichsentest 435** | **20 cN** |
| 9 | **Embossing stability** | **PA - QSP 10.4** | **no change in embossing, colour and gloss** |

to 5: Grey - scale according to ISO 105 - A03
to 6: after 14 days immersion, Grey - scale according to ISO 105 - A03
to 9: **RENOLIT** - test method, 10 Min. / 80° C



RENOLIT AG
Horchheimer Straße 50
67547 Worms
Germany

tel. +49 (0) 6241.303.0
fax +49 (0) 6241.303.1117

exterior@renolit.com
www.renolit.com

# PRODUCT - INFORMATION

## GENERAL PRODUCT INFORMATION

| | |
|---|---|
| Profile processing: | welding of the laminated profiles according to technical rules is possible, without a negative influence on the quality of the film. |
| Chemical resistance: | due to the excellent chemical resistance of PVDF, **RENOLIT** FAST surfaces are resistant to most organic solvents and bases, aliphatic and aromatic Hydrocarbons, alcohols and halogenated solvents. With exception of fluorine, our film is also resistant to halogens (chlorine, bromine, iodine). Not resistant to strong organic solvents (acetone, ethyl acetate, dimethyl formamide, …), fuming sulphuric acid and amine, basic liquids with pH ≥ 12. Please take into account, that the chemical compatibility is strongly dependent on time, temperature, concentration, chemical condition and state of aggregation of the substance. Please be careful in the area of cutted edges of the film (e.g. welded corners), since the film is unprotected in the cross section. Side penetration of chemicals can never be excluded. |
| 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. For persistence pollutions is the special cleaner 3M „Graffiti Remover System“ available. Further maintenance is not necessary. |





RENOLIT AG
Horchheimer Straße 50
67547 Worms
Germany

tel. +49 (0) 6241.303.0
fax +49 (0) 6241.303.1117

exterior@renolit.com
www.renolit.com