

PRODUCT DESCRIPTION

3D Films **RENOLIT COVAREN High Gloss** solid and printed

GENERAL DESCRIPTION

RENOLIT COVAREN High Gloss films are single or multilayered PVC films which are 3-D thermo formable. Herewith exclusive, highly polished surfaces can be realized in only one working step, without cost intensive repeated sanding, lacquering and polishing procedures.

RENOLIT COVAREN High Gloss films are delivered with PE protection film. They are supplied as decorative surfacing for lamination to profile milled MDF boards and ensure processing (thermo formpresses) and application for interior equipment without problems.

The films are primed on the reverse side.

Normally, the PE protection is removed by the customer of the installed furniture to ensure protection of the surface during production, transportation and assembling.

PROCESSING

see additional information (on demand)

STORAGE CONDITIONS

- Store in a dry clean environment at room temperature with moderate humidity.
- The material can be suspended in unopened packaging. Store away from sources of heat and sunlight.
- Material should be acclimatised 72 hours prior to use at room temperature (about 20°C).
- Shelf life: with PE protection film about 3 months.

CLEANING AND ASSEMBLING

see additional information (on demand)

TECHNICAL STATUS 2014

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

PRODUCT DESCRIPTION

TECHNICAL DATA

Properties / Test Methods	Values / Tolerances
1. Thickness DIN EN ISO 2286-3, 1998-07	0,50 mm, tolerance +/- 7,5 %
2. Dimensional Stability 10 min. 100°C, circulated air	longitudinal max. - 8 % transverse max. + 3 %
3. Embossing Stability 10 min. 120°C, circulated air	no visible changes to gloss, embossing or colour compared to the standard
4. Light fastness DIN EN ISO 4892-2, 2006-06 DIN EN ISO 105 B 02, 2002-07	≥ 6 (blue scale)
5. Chemical Resistance DIN EN 12720, 1997-10 (testsubstances and exposure times acc. DIN 68861/1, 2001-04)	Class 1 B (*)
6. Scratch Resistance DIN 68861/4, 1981-12	Class 4 F (≤ 0,5 N)
7. Resistance to Dry Heat DIN EN 12722, 1997-10	Level 5 with ≥ 70°C (*1)
8. Resistance to Wet Heat DIN EN 12721, 1997-10	Level 5 with ≥ 70°C (*1)
9. Abrasion Resistance DIN 68861/2, 1981-12	Class 2 A (> 650 turns)
10. Tensile Strength DIN EN ISO 527-3/2/200, 2003-07	longitudinal ≥ 40 N/mm ² transverse ≥ 30 N/mm ²
11. Gloss Level DIN 67530, 60° measuring head, 1982-01	≥ 80
12. Colour Tolerance for plain films, for production; not valid for metallic DIN 53236 (45/0), 1983-01 DIN 6174, 2007-10 (only light colours)	$\Delta E \leq 0,50$ $\Delta L \pm 0,30$ $\Delta a \pm 0,20$ $\Delta b \pm 0,30$
13. Colour Consistency of printed films and metallic designs: Original specimen comparison	Manufacture and visual assessment with original specimen.
14. Fault definition	It must be determined in tests whether the surface quality corresponds to the desired use.

(*) with the exception of ethanol, red wine, coffee, black tea, water, mustard

(*1) temperature of the aluminium testing equipment