

PRODUCT DESCRIPTION

RENOLIT ARMOUREN



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RENOLIT ARMOUREN

GENERAL DESCRIPTION

RENOLIT ARMOUREN is a multi-layered decorative PVC film which is suitable for thermo-forming or flat lamination to MDF & chipboard. The product has excellent mechanical resistance, light fastness and stain resistance properties. **RENOLIT ARMOUREN** is highly durable and offers superior impact resistance making it ideally suited for use in areas such as healthcare, public buildings, schools, hotels, restaurants and shops.

MODE OF DELIVERY

Thickness	0.70 mm ± 7.5 %
Width	1420 mm
Roll length	100 m
Roll weight	Approx. 150 kg
Core width internal dimension	154 mm

PROCESSING

RENOLIT ARMOUREN is suitable for flat lamination and thermo forming.

- **RENOLIT ARMOUREN** is supplied as decorative surfacing for lamination to profile milled MDF boards and chipboard.
- Forms with a silicone membrane (other membranes have to be approved by the pressing company) or without a membrane.
- Adhesive: PUR-dispersion with hardener, the system should be adjusted according to glue supplier recommendations.
- Forming cycle of a 0.70mm gauge **RENOLIT ARMOUREN** film (approximate values)

Temp. of heating plate, with membrane	140°C/284°F (membrane 110°C/230°F)
Temp. of heating plate, without membrane	125°C/257°F
Time of preheating	30 – 80 seconds
Vacuum	4 – 6 seconds
Pressing time	30 – 40 seconds
Pressure	4 – 5 bar
Relaxing	20 seconds

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/68°F).
- Shelf life: approximately 12 months

CLEANING RECOMMENDATIONS

- Use non abrasive cleaners or mild cleaning solutions.
- Do not use abrasive cleaners, solvents, polishes, waxes or steam cleaning tools.
- As a precaution to test the suitability of a cleaning product, apply to an inconspicuous area, minimizing the time of exposure and the amount of cleaning agent (diluting as recommended by the supplier) in order to prevent any damage to the surface.

TECHNICAL SPECIFICATION

TECHNICAL STATUS 2014

This technical information sheet represents our latest knowledge and is published without obligation. This information does not release the manufacturer using the product from their own inspections and testing, which must correspond with the relevant national standards and guidelines for its intended purpose. It is the duty of the customer to ensure the purchased product is suitable for its intended purpose. We reserve the right to carry out modifications to the product in order to improve its properties and processing characteristics.

TECHNICAL DATA – PROPERTIES/TEST METHODS VALUES/TOLERANCES

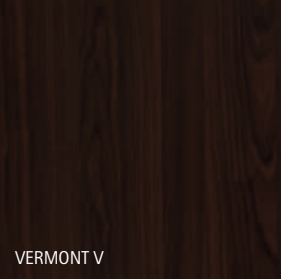
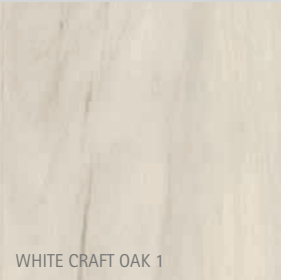
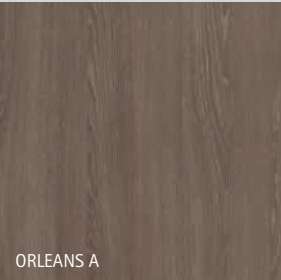
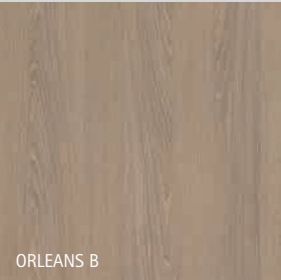
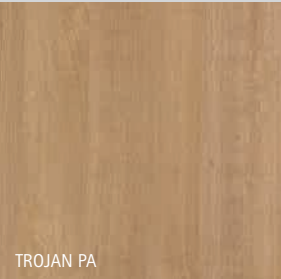
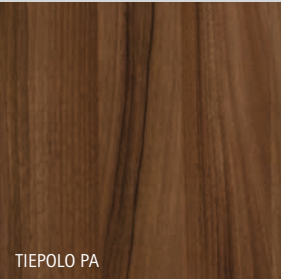
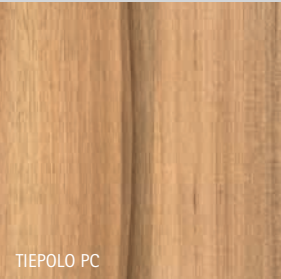
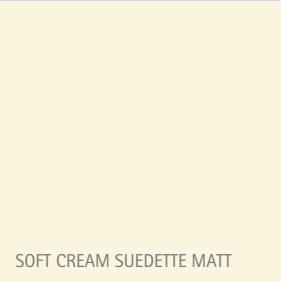
Thickness (*) DIN EN ISO 2286-3, 1998-07	0.7mm tolerance $\pm 7.5\%$
Dimensional Stability 10 min. 100°C, circulated air	longitudinal max. -5% transverse max. $+2\%$
Embossing Stability 10 min. 120°C, circulated air	no visible changes to gloss, emboss or colour compared to the standard
Light fastness DIN EN ISO 4892-2, 2006-06 DIN EN ISO 105 B 02, 2002-07	> 6 (blue scale)
Chemical Resistance DIN EN 12720, 1997-10 (test substances and exposure times acc. DIN 68861 / 1, 2001-04)	Class 1 B (*1)
Scratch Resistance DIN 68861 / 4, 1981-12	Class 4 D ($> 1.0 - 1.5$ N)
Resistance to Dry Heat DIN 68861 / 7, 2001-04	Class 7 C (100°C)
Resistance to Wet Heat DIN 68861 / 8, 2001-04	Class 8 B (75°C)
Abrasion Resistance DIN 68861 / 2, 1981-12	Class 2 B ($> 350 - 650$ turns)
Gloss Level Tolerances DIN 67530: 1982-01 60° measuring head	$< 15 \pm 2$ $16 \text{ to } 30 \pm 3$ $31 \text{ to } 50 \pm 5$ $> 50 \pm 7$
Colour Tolerance for plain films, not valid for metallics. DIN 53236 (45/0): 1983-01 DIN 6174: 2007-10	$\Delta E < 0.50$ $\Delta L \pm 0.30$ $\Delta a \pm 0.20$ $\Delta b \pm 0.30$
Colour Consistency of printed films and metallic designs: Original specimen comparison	Manufacture and visual assessment with original specimen.
Fault Definition	Optical deviations are regarded as faults if they are recognisable with the naked eye from a distance of 50 cm, within 30 seconds in good lighting.
Ball Impact Resistance BS 392-6: 1980 19.1 mm diameter steel ball weighing 28 g, drop height 2m	2m drop height - no surface cracking

(*) the thickness refers to the smooth film surface which can be up to 10% more when using deep embosses – the thickness is maintained through one complete order, and from order to order in the shown tolerance.

(*1) for UV-cured lacquers: with the exception of red wine, coffee, mustard and onion

MAKE TO ORDER OPTIONS

MAKE TO ORDER DESIGN AVAILABILITY

CHERRY	FRUITWOOD		OAK
 VERMONT V	 CALVADOS C	 LAUSANNE PB	 RIVERSIDE A
OAK			
 GREY CRAFT OAK 2	 WHITE CRAFT OAK 1	 ORLEANS A	 ORLEANS B
OAK	WALNUT		
 TROJAN PA	 AMATI PD	 TIEPOLO PA	 TIEPOLO PC
SOLID COLOUR			
 DAKAR SUEDETTE MATT	 PREMIUM WHITE SUEDETTE MATT	 SOFT CREAM SUEDETTE MATT	 STONE GREY SUEDETTE MATT

RENOLIT ARMOUREN RANGE

STOCK RANGE ITEMS

Design Name	Design Number	Article code	Width (mm)	Thickness (µm)	Length (lm)
Messina PA	47062	S40.30.04.0008.000	1420	700	100
Samira B	47055	S40.30.04.0005.000	1420	700	100
Lissa A	47053	S40.30.04.0003.000	1420	700	100
Oceanic A	47052	S40.30.04.0002.000	1420	700	100
Thermo A	47051	S40.30.04.0001.000	1420	700	100
Winchester PA	47054	S40.30.04.0004.000	1420	700	100
Pacific A	47056	S40.30.04.0006.000	1420	700	100
Pacific B	47057	S40.30.04.0007.000	1420	700	100
Graphite Suedette Matt	47061	S40.30.03.0004.000	1420	700	100
Light Grey Suedette Matt	47059	S40.30.03.0002.000	1420	700	100
Mussel Suedette Matt	47060	S40.30.03.0003.000	1420	700	100
Platinum White Suedette Matt	47058	S40.30.03.0001.000	1420	700	100

Minimum order quantity for stock items: 100 lm

MAKE TO ORDER ITEMS

Design Name	Design Number	Article code	Width (mm)	Thickness (µm)	Length (lm)
Vermont V	47072	S40.30.04.0018.000	1420	700	100
Calvados C	47073	S40.30.04.0019.000	1420	700	100
Lausanne PB	47074	S40.30.04.0020.000	1420	700	100
Riverside A	47063	S40.30.04.0009.000	1420	700	100
Grey Craft Oak 2	47064	S40.30.04.0010.000	1420	700	100
White Craft Oak 1	47065	S40.30.04.0011.000	1420	700	100
Orleans A	47068	S40.30.04.0014.000	1420	700	100
Orleans B	47069	S40.30.04.0015.000	1420	700	100
Trojan PA	47067	S40.30.04.0013.000	1420	700	100
Amati PD	47071	S40.30.04.0017.000	1420	700	100
Tiepolo PA	47066	S40.30.04.0012.000	1420	700	100
Tiepolo PC	47070	S40.30.04.0016.000	1420	700	100
Dakar Suedette Matt	47078	S40.30.03.0008.000	1420	700	100
Premium White Suedette Matt	47075	S40.30.03.0005.000	1420	700	100
Soft Cream Suedette Matt	47076	S40.30.03.0006.000	1420	700	100
Stone Grey Suedette Matt	47077	S40.30.03.0007.000	1420	700	100

Minimum order quantity for make to order items: 1000 lm

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