

PRODUCT INFORMATION

Duropal thin laminate 0.35 mm (rolled goods)

Duropal thin laminate 0.35 mm is made from several high-quality paper sheets, which are impregnated with thermosetting synthetic resins and are laminated under heat and high pressure. The one-sided, decorative top layer consists of an amino resin impregnated paper; an amino resin impregnated overlay paper is used for printed decors. The core consists of phenol resin impregnated soda kraft paper; the rear is ground ready for gluing. Duropal thin laminate 0.35 mm is supplied on a roll.

PRODUCT FEATURES

Product applications	Duropal thin laminates are used, e.g. for overlaying or sheathing door elements, door frames, bathroom and furniture fronts, windowsills, threshold strips and mouldings, cornice and strip lighting profiles. Duropal thin laminate in thickness 0.35 mm is recommended for vertical use only.
Decors	- Duropal decors with approval for the continuous production process - Full size Metallic decors and Real Metal variants not possible
Product lay-up	Amino resin impregnated decor paper, phenol resin impregnated soda kraft paper
Textures	MO, RT, SM, TC and VV; other surfaces by arrangement and following approval

PRODUCT SPECIFICATION

Supplied form / Dimensions / Tolerances

Product thickness	0.35 mm, thickness tolerance ± 0.05 mm
Product width	1,300 mm, width tolerance +10/-0 mm
Product length	400 m $\pm 15\%$

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Order quantities	<ul style="list-style-type: none">- Minimum order quantity per order and texture – 1,600 m- Minimum order quantity per item – 400 m- Quantity increment – 400 m- Only one décor-surface variant allowed per roll- Delivery (pair-wise, 2 or 4 rolls) on a pallet
Production cycle	four-weekly
Core diameter	152 mm
Roll diameter	approx. 400 mm
Roll weight	approx. 220 kg
Roll displacement	sideways \pm 10 mm
Discontinuities	<ul style="list-style-type: none">- Production-related discontinuities (including technical and visual defects, possible colour or core change) are visibly marked at the upper edge of the roll- Discontinuities remain in the roll and are not charged- permitted number of imperfections per roll – 3
Storage	<ul style="list-style-type: none">- Storage in original packaging, wrapped in foil and laid horizontally on Styrofoam shell- Room temperature 18-25c- Relative humidity 50-65%- Protect against water, moisture, direct sunlight and mechanical damage- Under these conditions, storage for a period of 12 months should not have any effect on the quality of the material



Quality characteristics

Resistance to surface wear

Abrasion quality characteristics	Resistance to surface wear	Indicator	Standard
Plain decors	≥ 150	3	EN438-2:2016
Print decors with overlay	≥ 150	3	EN438-2:2016

Scratch resistance

Scratch resistance is essentially determined by the surface. Signs of use and scratch marks are generally more obvious on textured surfaces than on smooth surfaces. The following must also be noted when choosing the decor: Light-coloured decors reduce the visibility of signs of wear and scratch marks.

Other quality characteristics

Quality characteristic	Unit	Result	Standard
Resistance to Staining, Groups 1 & 2	Rating	≥ 5	EN438-2:2016
Light fastness (xenon arc)	Grey scale rating	≥ 4	EN438-2:2016
Formability	Smallest radius 10 x thickness		

We produce the product without adding halogens, heavy metals, preservatives, wood preservatives or organic solvents.

Sampling on request via Product Management HPL / HPL elements, Arnsberg:

- DIN A4 pattern
- Pattern rolls

PM HPL/elements

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