

Product specifications

For furniture and interior design.

Ingredients	of natural resources raw materials	bonded leather, natural fats, organic dyestuffs, nature latex and wather
Surface color	color on waterbased	acrylic and polyuethane Polymere, fillers
Pollutants		environmentally compatible
Raw material	Colors	nature brown, anthracite
Weight		0,85 kg/qm by 1 mm material thickness
Smell		material characteristic of leater
Collection	delivery form	roll product
	matreial thickness	0,6 mm /1,8 mm
	material width	1,44 m /1,50 m
	colors	12, see brochure
	glossiness	semi matt
	structure	fine grain
Customer preference	delivery form	roll and plates*
	matreial thickness	0,5 mm to 2,00 mm
	material sizes	dependent on structure
	color	as desired from sample
	glossiness	matt to high gloss finish
	structure	available as trumble croko, cobra
Storage of goods	Ledano consists of leather, so the properties of the material are leather physical characteristics.	optimal: 20 - 25 °C by 50 - 65 % relative humidity
Handling	cutting	usual tools for the wood machining
	drilling	wood drill bits
	loop (edges)	yes - don't damage the sureface
	gluing	polyvinylazetat/ woodglue for furniture - We recommend pre-testing
	compression	from 100°C, to 100 Bar, optimal max.10 s - dependant on temperature, compression and time. Should be pretested.
	3D-forming	Yes - see compression
	sewing	Yes - Ledano has a high stitch tear resistance
	underside material	Ledano nature, in the same thickness - it's recommended for all extensive plates like tables- and wallpanels
General information		Protect the material from aggressive cleaners, water and damage to the surface. Use clean and sharp tools. Ledano does not need special care! Clean with a soft cloth and water or a mild cleaner. Do not use shoe polish!

Technical specifications

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Testing	Methode		Test values min.
Adhesion, dry	EN ISO 11 644		8-11 N/10mm
Rub fastness	EN ISO 11 640		rate 5 - > 2500 rate 5 - > 700 -1000 rate 5
	dry	500 cycles	
	wet	200 cycles	
	soap	100 cycles	
Abrasion resistance	EN 14327	taber test 200 cycles/CS10/500gms	no damage, slight gloss loss
Xenon Lightfastness	EN ISO 105-B02	72 h/45 °C	rate 4 - 6
Shrinking in storage	1h at 105°C		~4%
Swelling in storage	1h in 20°C in warm water		~4%
Water absorbtion	23°C after 1h		~. 50 g/dm ²
Expansion	after immersion in water	23°C length/ width	~ 3/2 %
Density	DIN 53 527		0,80 - 0,96 g/cm ³
Ph-value			8,5
Compression	internal method	streching	> 11000
		compressing	> 12000
Tensile strength	DIN 53 328	length dry	15 - 18 N/mm ²
		width dry	14 - 17 N/mm ²
		storage 1h in water length wet	13 - 16 N/mm ²
		storage 1h in water width wet	13 - 16 N/mm ²
Elongation	DIN 53 328	length dry	31 - 38 %
		width dry	42 - 52 %
		storage 1h in water length wet	43 - 50 %
		storage 1h in water width wet	57 - 60 %
Stitch tear strength	DIN 53 331		40 - 56 N/mm
Thorn test	DIN 53 324	thorn No. 8	no tears
Heat ageing	internal method	72 h/80 °C	rate 5
Heat resistance	DIN 53 324	3d 70°C, thorn bending test	no tears
Flammability test	CAL TB 117	part 1	grate 1 - normal flammable
Flammability test cigarette	BS 5852		6/7mm