



PRODUCT:	SOFT TOUCH
DESCRIPTION:	a supermatt surface on a 100% natural wood blockboard protected by a pe protection film
APPLICATION:	Furniture industry
DATE:	November 2019

SOFT TOUCH SURFACE CHARACTERISTICS	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Colour Consistency (soli, white and beige colours) ³	$\Delta E \leq 0.50$ $\Delta L \pm 0.30$ $\Delta a \pm 0.20$ $\Delta b \pm 0.30$		DIN 53236 (45/0) DIN 6174
Thickness	DIN EN ISO 2286-3	mm	0.30 MM +/- 5%
MECHANICAL PROPERTIES			
Scratch Resistance	DIN EN 15186, Method B Evaluation acc. To DIN 88861/4	N	4 F (≤ 0.5 N)
	EN 15186:2012	Class	B
Abrasion resistance	EN 15186:2012	Class	B
Micro Scratching Resistance	DIN CEN/TS 16811, Method A	%	≤ 10 % alteration of gloss
Crosscut	ISO 2408:2013		1
Impact small ball	BS 3962: part 6: 1980	Class	B
THERMAL PROPERTIES			
Resistance to dry heat	DIN EN 12722	LEVEL	5 AT 70° C ²
Resistance to wet heat	DIN EN 12721	LEVEL	5 AT 70° C ²
OPTICAL PROPERTIES			
Gloss Level	DIN EN ISO 2813 80° measuring head, measured crosswise		dark/intensive ⁴ colours: 4 +/- 1 light ⁵ colours: 5 +/- 1
Light fastness	DIN EN ISO 4892-2 DIN EN 105 B 02		≥ 7
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		
OTHER PROPERTIES			
Chemical resistance	DIN EN 12720 Evaluation acc. To DIN 88861/1		1C ¹

1. With exception of: red wine, coffee, black current juice
2. temperature of the aluminium testing equipment
3. in comparison to the saved colour measurement values of the master sample
4. stone grey, wolfram grey, graphite, vulcan black, lava red
5. alaska white, glacier white, magnolia, toffee, sahara, siena, pearl grey

Soft Touch Supermatt will be supplied with a PE protective film which should only be removed after the furniture has been assembled at the customer's premises, so as to protect the matt surface against mechanical stress. Whatever processing technique will be applied it must be ensured that it does not affect the surface properties (e.g. the glue application pattern).

CLEANING

Stains should be removed with warm, diluted soap solution if necessary in combination with a sponge (do not use the abrasive surface of cleaning sponges). Dilutions of all sorts of commercially available cleaners for plastic surfaces consisting of ionic or non ionic detergents are usable. After cleaning, the surface has to be rinsed with clear water and dried with a soft cloth. 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.

In general: wet surfaces need to be dried immediately, e.g. with a soft, well sucking cloth.

The cleaner used should not be abrasive, i.e. contain abrasive particles often used for example in scrubbing-powders or scrubbing-milks. These particles can leave scratches on the surface and thus alter the gloss of the surface.

The cleaner should not contain oxidative substances (chlorates, perborates or other bleaching agents) or strong alkalines (conc. ammonia, sodium hydroxide solutions).

The cleaner should not contain „care“ substances like waxes or polymer dispersions which will remain on the surface after drying. This will probably alter the gloss level of the film and these residues are not easy to remove in subsequent cleaning operations. (This is often the case with cleaners used for flooring).

Care substances for wood like polishes and pastes normally contain oils and/or waxes of different origin and other substances which normally will seal the porous or slightly damaged surface of wood. Those substances are able to swell plastics and can cause discolouration. Near the edges delamination is possible due to swelling of the glue joint. Therefore these materials are excluded from use on Soft Touch laminate Supermatt.

Steam cleaning tools are also not suitable.

Stains which cannot be removed with diluted soap solution described above can be removed with diluted ethanol or cleaners containing alcohol (e.g. window cleaner) after first testing the result at an unnoticeable surface area. The exposure time should be as short as possible not using excessive pressure. The use of concentrated alcohols (methylated spirit, isopropanol) should be avoided.

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.



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