

TECHNICAL DATA SHEET

1. PRODUCT DESCRIPTION

- 1.1 Format 595 x 89 x 9,0 mm/ 798 x 89 x 9,0 mm
- 1.2 Packing 22 boards each pack = 1,165 m² / 1,562 m²
- 1.3 Build up
 - surface layer High Pressure decorative HPL. Papers impregnated with melamine- & phenolic resins
 - substrate High Density Fibreboard, HDF
 - backing High Pressure balance Laminate, HPL. Papers impregnated with melamine- & phenolic resins
- 1.4 Installation Glueless mechanical locking system, installed floating according to installation description.
- 1.5 Classification According to EN 685 - Class 23: Heavy Domestic use
 - Class 33: Heavy Commercial use

2. GENERAL REQUIREMENTS

Characteristics	Test standard	Units	Requirements	Typical values
2.1 Thickness of element, t	EN 13329	mm	$\Delta t_{\text{average}} \leq 0,5$ $t_{\text{max}} - t_{\text{min}} \leq 0,5$	< 0,20 < 0,30
2.2 Length of surface layer, l	EN 13329	mm	$\Delta l \leq 0,5 \text{ mm}$	< 0,05
2.3 Width of surface layer, w	EN 13329	mm	$\Delta w_{\text{average}} \leq 0,1$ $w_{\text{max}} - w_{\text{min}} \leq 0,2$	< 0,05 < 0,05
2.4 Squareness, q	EN 13329	mm	$q_{\text{max}} \leq 0,2$	< 0,05
2.5 Straightness of surface layer, s	EN 13329	mm	$s_{\text{max}} \leq 0,3$	< 0,20
2.6 Flatness - width f_w , and length f_l	EN 13329	%	$f_{w\text{-concave}} \leq 0,15$ $f_{w\text{-convex}} \leq 0,20$ $f_{l\text{-concave}} \leq 0,50$ $f_{l\text{-convex}} \leq 1,00$	$\leq 0,10$ $\leq 0,15$ $\leq 0,20$ $\leq 0,20$
2.7 Openings between elements, o	EN 13329	mm	$o_{\text{average}} \leq 0,15$ $o_{\text{max}} - o_{\text{min}} \leq 0,20$	< 0,10 < 0,15
2.8 Height diff. betw. elements, h	EN 13329	mm	$h_{\text{average}} \leq 0,10$ $h_{\text{max}} - h_{\text{min}} \leq 0,15$	$\leq 0,10$ $\leq 0,15$
2.9 Dimensional variations, after changes i RH	EN 13329	mm	$\delta l_{\text{average}} = \delta w_{\text{average}} \leq 0,9$	< 0,50
2.10 Lightfastness	EN 20105 EN ISO 105	Gradescale Gradescale	Gray scale : ≥ 4 Blue wool scale: ≥ 6	> 4 > 6
2.11 Static indentation	EN 433		No visible change	No visible change
2.12 Surface soundness	EN 311	N/ mm ²	$\geq 1,00$	$\geq 1,80$

Definitions: $\Delta t_{\text{average}} = |t_{\text{nominal}} - t_{\text{average}}|$ $\Delta l = |l_{\text{nominal}} - l_{\text{measured}}|$ $\delta l_{\text{average}} = \text{dimensional variations, l}$
 $\Delta w_{\text{average}} = |w_{\text{nominal}} - w_{\text{average}}|$ $\delta w_{\text{average}} = \text{dimensional variations, w}$

3. CLASSIFICATION REQUIREMENTS

Characteristics	Test standard	Units	Requirements	Typical values
3.1 Abrasion resistance	EN 13329	Revolutions	AC 5: IP \geq 6.500	IP \geq 6.500
3.2 Impact resistance	EN 13329	N & mm	IC 3	IC 3
3.3 Resistance to staining	EN 438.2.15	Rating ¹⁾	Group 1 & 2: 5 Group 3 : 4	5 5
3.4 Resistance to cigarette burns	EN 438.2.18	Rating ¹⁾	4	5
3.5 Effect of furniture leg	EN 424		No damage with type 0 indenter	No damage with type 0 indenter
3.6 Effect of castor chair	EN 425		No damage or visible change in appearance.	No damage or visible change in appearance, at 25.000 rev
3.7 Thickness swelling	EN 13329	%	< 18	8

¹⁾ = Rating scale 1 to 5, where 5 is the best = "No visible change".

4. OTHER TECHNICAL DATA

Characteristics	Test standard	Units	Requirements	Typical values
4.1 Formaldehyde, emission	EN 717	ppm	E1: < 0,10	0,02
4.2 VOC	ENV 13419-2	$\mu\text{g} / (\text{m}^2 \cdot \text{h})$	-	<10 (672 h)
4.3 Resistance to scratching	EN 438.2.14	N	> 3,0	> 5,0
4.4 Fire class	DIN 4102-14 NS 3919 EN 14 041	Class Class Class	- - -	B1- Hardly inflammable G B _{fl} – S ₁
4.5 Humidity	EN 322	%	4–10 \pm 1,5 ²⁾	6,0 \pm 1,0 ²⁾
4.6 Anti slipping property	prDIN 51 131	μ	> R9	\geq R10
4.7 Anti static properties	EN 14 041	Class		Antistatic – class 2

²⁾ = Max tolerance within one deliverance.