

dimension	thickness (d)	$12 \pm 0,50 \text{ mm} \cdot d_{\text{max}} - d_{\text{min}} \leq 0,50 \text{ mm}$	15 YEARS WARRANTY
	length	$1216 \pm 1,8 \text{ mm}$	
	width (b)	$196 \pm 0,10 \text{ mm} \cdot b_{\text{max}} - b_{\text{min}} \leq 0,20 \text{ mm}$	

TOLERANCE		
squareness	EN 13329	$\leq 0,20 \text{ mm}$
straightness	EN 13329	$\leq 0,30 \text{ mm}$
flatness crosswise	EN 13329	concave: $\leq 0,15\%$ · convex: $\leq 0,20\%$
flatness length	EN 13329	concave: $\leq 0,50\%$ · convex: $\leq 1,00\%$
gaps between elements	EN 13329	average: $\leq 0,15 \text{ mm}$ · max: $\leq 0,20 \text{ mm}$
height difference between elements	EN 13329	average: $\leq 0,10 \text{ mm}$ · max: $\leq 0,15 \text{ mm}$
misalignment		$\pm 2 \text{ mm}$

TEST		
abrasion resistance	EN 13329	AC3
impact resistance	EN 13329	big ball $\geq 1600 \text{ mm}$
micro scratch resistance	EN 13329	$\leq \text{MSR-A2}$
stain resistance	group 1 & 2	grade 5
	group 3	$\geq \text{grade 4}$
castor chair test	EN 13329	no change in appearance or damage, as defined per EN 425
effect of a furniture leg	EN 13329	no damage shall be visible, when tested with foot type 0
thickness swelling	EN 13329	$\leq 15 \%$
static indentation	EN 13329	$\leq 0,05 \text{ mm}$
dimensional variations after changes in relative humidity	EN 13329	lengthwise $\leq 0,9 \text{ mm}$ · crosswise $\leq 0,9 \text{ mm}$
locking strength	EN 13329	length $\geq 1 \text{ kN/m}$ · width $\geq 2 \text{ kN/m}$
surface soundness	EN 13329	$\geq 1,25 \text{ N/mm}^2$

ENVIRONMENT		
emission of formaldehyde	EN 16516	class E1

PHYSICAL BEHAVIOR		
Fire CHF	ISO 9239	$\geq 4.5 \text{ kW/m}^2$
Topical Moisture Resistance	ISO 4760	No migration of water to the underside
Dry Floor Friction	AS 4586	D1
Wet Pendulum Test	AS 4586	P3
Impact insulation Class	ASTM E492	52
Sound Transmission Class	ASTM E90	52

The data sheet is updated regularly to meet new technological standards. This version replaces all previous versions as well as those which are undated. This version takes effect upon creation. Version 10/2023