

Technical Datasheet

Direct Pressure Laminate, Level of use according to EN 13329: class **23/32 – AC4**

Made in Germany





Heavy domestic use



General commercial use

DIMENSION

dimension	thickness (d)	$8 \pm 0,50 \text{ mm} \cdot d_{\text{max}} - d_{\text{min}} \leq 0,50 \text{ mm}$		
	length	$1285 \pm 0,50 \text{ mm}$		
	width (b)	$192 \pm 0,10 \text{ mm} \cdot b_{\text{max}} - b_{\text{min}} \leq 0,20 \text{ mm}$		
profile	long side	clic	short side	clic
groove	long side		short side	

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	AC4 ($\geq 4000 \text{ rpm}$)
impact resistance	EN 13329	small ball $\geq 12 \text{ N}$ · big ball $\geq 750 \text{ mm}$
stain resistance	group 1 & 2	grade 5
	group 3	\geq 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	$\leq 18\%$
static indentation	EN 13329	$\leq 0,05 \text{ mm}$
light fastness	EN 13329	grey scale ≥ 4 at blue wool grade 6
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	Klasse E1
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PHYSICAL BEHAVIOR

fire behavior	EN 13501-1	Cfl s1
slide resistance	EN 13893	technical class DS
thermal resistance	EN 12667	$0,073 \text{ (m}^2\text{K)/W} \pm 15\%$
thermal conductivity	EN 12664	$0,110 \text{ W/(m}^*\text{K)} \pm 15\%$

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 01/2021