



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

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	twin clic	short side	twin 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 $\geq 35 \text{ mm}$ · big ball $\geq 750 \text{ mm}$	
stain resistance	group 1 & 2	EN 13329	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 $\leq 0,9 \text{ mm}$	
surface soundness	EN 13329	length $\geq 1 \text{ kN/m}$ · width $\geq 2 \text{ kN/m}$	

Environment		
emission of formaldehyde	EN 16516	class E1

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	$0,110 \text{ W/(m}^2\text{K)} \pm 15\%$

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.