



**Technical Datasheet**  
**12mm**

**20**  
YEARS  
GUARANTEE

Dimension	thickness (d)	$\pm 0,50 \text{ mm} \cdot d_{\text{max}} - d_{\text{min}} \leq \pm 0,50 \text{ mm}$
	length	$\pm 0,60 \text{ mm}$
	width (b)	$\pm 0,10 \text{ mm} \cdot b_{\text{max}} - b_{\text{min}} \leq \pm 0,20 \text{ mm}$

**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	AC4 ( $\geq 6000 \text{ rpm}$ )	
impact resistance	EN 13329	small ball $\geq 70 \text{ mm}$ · big ball $\geq 1000 \text{ mm}$	
micro scratch resistance	EN 13329	$\leq \text{MSR-B2}$	
stain resistance	group 1 & 2	EN 13329	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	$\leq 0,05 \text{ mm}$	
light fastness	EN 13329	grey scale $\geq 4$ 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	class E1
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**PHYSICALBEHAVIOR**

fire behavior	EN 13501-1	Cfl s1
slide resistance	EN 13893	technical class DS
thermal resistance	EN 12667	$0,091 \text{ (m}^2\text{K)/W} \pm 15\%$
thermal conductivity	EN 12664	$0,120 \text{ W/(m}^2\text{K)} \pm 15\%$
antistatic behavior	EN 1815	body voltage $\leq 2\text{ kV}$

\*Detailed warranty conditions are available at [www.krono-original.com](http://www.krono-original.com)

or further information, please see: [www.blauer-engel.de](http://www.blauer-engel.de)