










# Technical Specification Sheet

<b>NAME</b>	12mm class 23/32 -AC4	<b>20 years</b> guarantee	<b>naturally wood</b> eco-friendly
<b>TYPE</b>	EN 13329 Laminate Flooring		
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> <div style="text-align: center;"></div> </div>			

DIMENSION		
Characteristics	Specification	Performance
Thickness (d)	12 ± 0,50 mm · dmax - dmin ≤ 0,50 mm	
Length of surface area	1285 ± 0,50 mm	
Width of surface area (b)	192 ± 0,10 mm · bmax - bmin ≤ 0,20 mm	
Profile	long side 	short side 

TOLERANCE		
Characteristics	Specification	Performance
Squareness	EN 13329	≤ 0,20 mm
Straightness	EN 13329	≤ 0,30 mm/m
Flatness crosswise	EN 13329	concave: ≤ 0,15% · convex: ≤ 0,20%
Flatness length	EN 13329	concave: ≤ 0,50% · convex: ≤ 1,00%
Gaps between elements	EN 13329	average: ≤ 0,15 mm · max: ≤ 0,20 mm
Height difference between elements	EN 13329	h average ≤ 0.10 mm h max ≤ 0.15 mm

TEST		
Characteristics	Specification	Performance
Abrasion resistance	EN 13329	AC4 (≥ 4000 rpm)
Impact resistance	EN 13329	small ball ≥ 12 N · big ball ≥ 750 mm
Stain resistance	EN 13329	grade 5
group 1 & 2		≥ grade 4
group 3		
Thickness swelling	EN 13329	≤ 18%
Effect of a furniture leg	EN 424	No damage shall be visible,
Effect of a castor chair <sup>a</sup>	EN 425 <sup>b</sup>	25 000 cycles, No damage
Dimensional variations after changes in relative humidity	EN 13329	lengthwise ≤ 0,9 mm · crosswise ≤ 0,9 mm
Light fastness	EN20105-A02	grey scale ≥ 4 , blue wool grade 6
Locking strength	EN 13329	length ≥ 1 kN/m · width ≥ 2 kN/m
Surface soundness	EN 13329	≥ 1,25 N/mm <sup>2</sup>

a No visible damage on the surface of the assembled test area caused by detachment of layers, opening of joints, or crazing. Ignore any flattening or change in appearance, e.g. change in gloss.

b Using soft castor wheels W PU (95 ± 5) Shore A except for class 34 wheels H PA (95 ± 5) Shore A.

ESSENTIAL CHARACTERISTICS		
Characteristics	Specification	Performance
Reaction to Fire	EN 14041	Class C <sub>fl</sub> - s1
Emmission of formaldehyde	EN 717-1	Class E1
Content of PCP	CEN/TR 14823:2004	< 5 ppm
Thermal Conductivity	EN 12664	0.089 (m <sup>2</sup> K)/W
Slip Resistance	EN 13893	DS, μ ≥ 0.30