

Technical Data Sheet

Laminate Floors

432 NP Manhattan City V4

Laminate floor NormalPlank

Material / Construction

Construction of an element	Surface layer: resistant overlay
	Central layer: Swell-stop plus coreboard
	Backing: moisture-inhibiting stabilising film
Surface appearance	I-strip, V4 chamfer
Surface treatment	Synchronous pores, antique texture
Connection system	DuoConnect+ installation system
Installation possibilities	Floating installation

Dimensions and tolerance values are according to the DIN EN 13329 norm. Dimension characteristics and permissible deviations in dimensions specified in the factory have been given in accordance with the norm for laminate floorings.

Dimensions of the individual element

Dimension	Tolerances
Thickness: 8 mm	
Length: 1,292.0 mm	
Width: 193.0 mm	
Permitted width deviation of the surface layer	≤ 0.10 mm, relative to the nominal value
Permissible deviation in perpendicularity	≤ 0.20 mm
Permitted length deviation of the surface layer	≤ 0.30 mm/m, relative to the nominal value
Permitted deviation of the element thickness	≤ 0.50 mm, relative to the nominal value
Height difference between joined elements	≤ 0.15 mm
Joint opening between joined elements	≤ 0.20 mm
Straightness of the surface layer	≤ 0.30 mm/m
Flatness of the element	concave width: ≤ 0.15 % convex width: ≤ 0.20 % concave length: ≤ 0.50 % convex length: 1.00 %

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Product characteristic	
Use class	32
Reaction to fire	C _{fl} sI
4 h resistance to water exposure as per ISO 4760	Qualitative evaluation after re-drying < 3 Quantitative evaluation after re-drying ≤ 0.3 mm No water penetration
Abrasion resistance	AC4
Impact resistance	small diameter ball ≥ 8 N / large diameter ball ≥ 500 mm
Resistance to staining	Group 1 & 2: Grade 5 / Group 3: Grade 4
Indentation after constant loading	≤ 0.05 mm
Effect of a furniture leg	No damage shall be visible, when tested with foot type 0
Effect of a castor chair	suitable (chair castor type W)
Lightfastness	Greyscale ≥ Level 4
Slippage resistance	DS
Formaldehyde emission	E1
Thickness swelling	≤ 18.0 %
Thermal resistance	0.06 (m ² x K) / W suitable for hot water underfloor heating
Surface soundness	≥ 1.25 N/mm ²
Electrostatic behaviour	< 2 kV
Transverse tensile strength	> 1 N/mm ²

Packaging	
Contents (area) per pack	1.99 m ²
Contents per pallet	111.66 m ²
Number of elements per pack	8 pieces
Packs per pallet	56

General product data	
Declaration of performance	PAR I 702005-EG084

Certificates



www.blauer-engel.de/uz176



Duo
Connect +



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Information subject to technical modification and error. All previous data sheets are superseded by this issue.

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