

## PRODUCT PROPERTIES

Format	Maple			Elm			Black Walnut		
	Long Heated	Short Heated	Unheated	Long Heated	Short Heated	Unheated	Long Heated	Short Heated	Unheated
Dimensions [mm]	1210mm x 165mm	605mm x 165mm	1210mm x 165mm	1210mm x 165mm	605mm x 165mm	1210mm x 165mm	1210mm x 165mm	605mm x 165mm	1210mm x 165mm
Top layer [mm]	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm
Sublayer [mm]	15mm	15mm	15mm	15mm	15mm	15mm	15mm	15mm	15mm
Sublayer [no. layers]	13	13	13	13	13	13	13	13	13

Packaging	5 pieces	10 pieces	5 pieces	5 pieces	10 pieces	5 pieces	5 pieces	10 pieces	5 pieces
Pack: m2 / kg	1 m2 / 12.8kg	1 m2 / 12.8kg	1 m2 / 12.8kg	1 m2 / 12.8kg	1 m2 / 12.8kg	1 m2 / 12.8kg	1 m2 / 12.8kg	1 m2 / 12.8kg	1 m2 / 12.8kg
Pallet	60 packs	60 packs	60 packs	60 packs	60 packs	60 packs	60 packs	60 packs	60 packs
m2 / kg	60 m2 / 780kg	60 m2 / 780kg	60 m2 / 780kg	60 m2 / 780kg	60 m2 / 780kg	60 m2 / 780kg	60 m2 / 780 kg	60 m2 / 780kg	60 m2 / 780kg
Warranty	10 years				Notes	For cleaning and maintenance, see instructions. Technical changes reserved.			





## CLASSIFICATIONS


 EN60335-1  
 EN60335-2:96


## TOLERANCES




Admissible difference in length ( $\pm 0.1\%$ )	$\pm 0.05\%$
Admissible difference in width ( $\pm 0.2\text{mm}$ )	$\pm 0.1\text{mm}$
Squareness of the element ( $\leq 0.1\%$ )	$\leq 0.05\%$
Longitudinal curvature along the panel ( $\leq 0.1\%$ )	$\leq 0.05\%$
Transverse curvature across the width ( $\leq 0.1\%$ )	$\leq 0.08\%$
Height differences of elements ( $\leq 0.2\text{mm}$ )	$\leq 0.1\text{mm}$
Moisture content at the time of first delivery (5 - 9%)	6 - 8%

## SURFACE PROPERTIES

		Testing Standard	Valuation
	Resistance to roller castor chairs	EN 425	We recommend the use of a conventional chairmat
	Effect of a furniture leg	EN 424	No visible changes
	Formaldehyde (E1 = $\leq 8\text{mg} / 100\text{g}$ )	EN 120	Not detected
	Accoustical impact noise reduction	ISO 717-2	12 db (with standard underlay)
	Disposal	Waste disposal with normal household waste / bulky waste	

Our technical specification is constantly reviewed and updated. This version replaces all previous versions and is valid from:								19/05/2017	
Original Version:	23/01/2017	By:	CT / LY	Approved:	JL	Original Edition:	V0.1	Current Edition:	V1.2

**SURFACE PROPERTIES (cont.)**

		Testing Standard	Valuation (UV Laquer Finish)
	Slip Resistance	EN 13893	$\mu \geq 0.47$
	Reaction to fire, click-installation as a floating floor	EN 13501-1	Dfl s1
	Reaction to fire, installation by all-over adhesion		
	Chemical Resistance	EN 13442	Category 5
	Bond strength / cross cut test	ISO 2409	Category 0
	Slip resistance, inclined plane	DIN 51130	R 9

**PRODUCT PROPERTIES**

Assortment	Wide plank		
Characteristics according to EN 1310	Upper side of the floor panel		
Design	Long Heated / Short Heated / Unheated		
Type of Wood:	Maple	Elm	Black Walnut
Botanical Designation	Acer	Ulmus	Juglans Nigra
Origin	CN	CN	CN
Grade	AB	AB	AB
Sound Sapwood	Permitted	Permitted	Permitted
Knot (intergrown)	Permitted	Permitted	Permitted
Falling out knot	Not Permitted	Not Permitted	Not Permitted
Pinkknots	Permitted up to 13mm	Permitted up to 13mm	Permitted up to 13mm
Filling	Permitted	Permitted	Permitted
Slight crack / haircrack	Not Permitted	Not Permitted	Not Permitted
Sugar / mineral inclusions	Permitted	Permitted	Permitted
Bark pocket	Not Permitted	Not Permitted	Not Permitted
Lightning cracks	Permitted	Permitted	Permitted
Slope of grain	Permitted	Permitted	Permitted
Healthy heart	Permitted (steamed)	Permitted (steamed)	Permitted (steamed)
Medullary ray	Not Permitted	Not Permitted	Not Permitted
Discolouration, colour variation	Permitted	Permitted	Permitted
White streaks	Permitted	Permitted	Permitted
Pilling sticks marking	Not Permitted	Not Permitted	Not Permitted
Biodeterioration (EN 1311)	Not Permitted	Not Permitted	Not Permitted

**Non-visible parts**

All features without restrictions to size or quantity permitted, provided they do not affect the strength or durability of the floor panel.

**Comments**

Maximum 3% of floor panel permitted in the next lower grading. Wood is a natural product and therefore different in colour and texture. Samples, brochures and photos are therefore only approximate and not binding.

## ELECTRICAL &amp; HEATING PROPERTIES

Voltage	230V / AC	Heating Method	Far infrared radiation
Current	0.435A / m <sup>2</sup>	Infrared Radiation	Emission wavelength 5 ~ 20 μm, infrared absorption rate of 91%
Work Rate	100W (±10%) / m <sup>2</sup>	Electromagnetic Radiation	Complies with EMS standards
Surface Temperature	20°C - 32°C	Power Attenuation	< 10% (based on 20,000 hours of resistivity)
Heating Rate	20°C in 3 to 5 minutes (based on an environment temperature of 15°C)	Bearing Weight	1000kg / m <sup>2</sup>
Electro-Thermal Conversion Rate	95 ~ 99.9%	Life Span	60,000 hours

## NOTES



For more information, visit:

**[www.timbertherm.com](http://www.timbertherm.com)**

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