

# Technical data sheet

## KERMOS Laminate Flooring

Quality management ISO 9001:2015  
Code TDEL001  
Revision 04

Coreboard	HDF swell barrier plus (emission standard E1, CARB2/TSCA VI)
Profile	CLIC it!

### Declared performance according to EN 14041

Formaldehyde according to EN 717-1	E1	Slip resistance according to EN 13893	DS, $\geq 0,3$
Thermal conductivity according to EN 12667	0,12 W/(m*K)	Antistatic properties according EN 1815	yes, < 2 kV
Fire classification according to EN 13501-1	Cfl-s1		

### Classification and general requirements according to EN 13329

Class of use	31	32	33
Guarantee domestic area	15 years	20 years	25 years
Guarantee commercial area	5 years	5 years	5 years
Abrasion resistance, test methode A according EN 13329, Annex E	AC3 / $\geq 2.000$ cycles	AC4 / $\geq 4.000$ cycles	AC5 / $\geq 6.000$ cycles
Impact resistance, test methods "small/ big ball" according EN 13329, Annex H	$\geq 8$ N $\geq 500$ mm	$\geq 12$ N $\geq 750$ mm	$\geq 15$ N $\geq 1.000$ mm
Resistance to staining EN 438 - 2	group 1 + 2: level 5 group 3: level 4	group 1 + 2: level 5 group 3: level 4	group 1 + 2: level 5 group 3: level 4
Thickness swelling according ISO 24336	$\leq 18$ %	$\leq 18$ %	$\leq 15$ %
Static indentation by constant pressure according ISO 24343-1	$\leq 0,05$ mm	$\leq 0,05$ mm	$\leq 0,05$ mm
Effect of furniture leg according EN 424 (foot Type 0)	No change in appearance or damage	No change in appearance or damage	No change in appearance or damage
Effect of a castor chair according EN 425	25.000 cycles	25.000 cycles	25.000 cycles
Profile strength lengthways / crossways according to ISO 24334	no requirement	$\geq 1,0$ kN/m / $\geq 2,0$ kN/m	$\geq 1,0$ kN/m / $\geq 2,0$ kN/m
Dimensional tolerances of the board according to ISO 24337	length $\pm 0,5$ mm width $\pm 0,1$ mm thickness $\pm 0,5$ mm	length $\pm 0,5$ mm width $\pm 0,1$ mm thickness $\pm 0,5$ mm	length $\pm 0,5$ mm width $\pm 0,1$ mm thickness $\pm 0,5$ mm

### Format & Packaging

Dimension mm (length x width)	Size
	1.292 x 327
Total thickness	8 mm
Class of use 31	
Class of use 32	✓
Class of use 33	
Bevel, without	
Bevel, Lengthwise	✓
Bevel, circumferential	✓
Bevel, circumferential + 1	✓
Packet information	
Piece	6
m <sup>2</sup>	2,53
kg (+/- 5%)	18,31
Pallet information	
Packet per pallet	40
m <sup>2</sup>	101,40
kg (+/- 5%)	763

Please find additional information on the backside



## General information

Careful inspection of incoming materials is an essential part of any business transaction. Handling and storage of the flooring must be done with care. The flooring packages must be stored on level and dry ground, protected from weather in a closed building. We recommend conditioning the end products for at least 48 hours before installation according to the expected room climate ( > 18 °C, 40 - 70 % relative humidity). Acclimatising takes place packed, lying flat with a minimum distance of 50 cm to all walls. Before and during installation, the floor elements must be checked for possible defects. Damaged flooring boards or those that differ from the norm should not be installed but returned to the supplier to be replaced. For more information, please visit [www.KERMOS.com](http://www.KERMOS.com)

## Environmental and Health

The product has Type I, Type II and Type III eco-labels:

- EPD (Environmental Product Declaration) including externally verified life cycle assessment according to EN 15804
- environmental supplier declaration (Environmental and Health Datasheet)
- Blauer Engel, Greenguard, M1
- further information on the circular economy and sustainability can be found at [www.egger.com/ecofacts](http://www.egger.com/ecofacts).

KERMOS laminate flooring consists of 83% renewable raw materials. The raw material wood absorbs CO<sub>2</sub> during its growth and stores it. CO<sub>2</sub> is emitted during transport and processing. The difference between the storage and the emission results in a CO<sub>2</sub> footprint of – 6 kg CO<sub>2</sub> per 1 m<sup>2</sup> of laminate flooring.




## Colour matching and surface texture

As slight colour variations occur due to inherent variations in the substrate, we recommend that components used next to each other – in one flooring surface – are selected from the same production batch to ensure colour uniformity or colour consistency.

## Suitability for underfloor heating

KERMOS floors are suitable for hot water underfloor heating and electric underfloor heating. The surface temperature of the heated flooring structure must not exceed 28° C and heating up too quickly must be avoided. Installation on surface heating systems with night storage function is not permitted. KERMOS laminate floors may only be installed on electric flat / foil heating systems that are equipped with temperature sensors and controllers.

R - Thermal resistance according to EN 12667

Total thickness		7 mm	8 mm	10 mm	12 mm
R [(m <sup>2</sup> *K)/W]		0.06	0.07	0.08	0.10
R [(m <sup>2</sup> *K)/W] (+ Silenzio easy)		0.12	0.14	0.14	0.16
R [(m <sup>2</sup> *K)/W] (+ Silenzio Duo)		0.10	0.09	0.11	0.12

## Accessories

When installing the floor, we recommend RAW® range of accessories with the product groups: Underlay mats, the skirting boards, as well as many other accessories that are perfectly colour-coordinated with the flooring range on offer. You will find further information at [www.kermos.com](http://www.kermos.com) or [www.raw-product.com](http://www.raw-product.com).

## A note on validity

This technical data sheet has been carefully drawn up to the best of our knowledge. It is intended for information only and does not constitute a guarantee in terms of product properties or suitability for specific applications. We accept no liability for any mistakes, errors in standards, or printing errors. In addition, technical changes may result from the further development of KERMOS flooring as well as changes to standards and public law documents. This technical data sheet is not an instruction for use and is not a legally binding document.