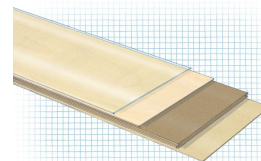


## living Expression Long Plank

**Features:**

Class 23/32 HDL-laminate flooring intended for heavy domestic and general commercial use.  
 High resistance against scratches, indentation and wear.  
 Fire Class C<sub>fl</sub>-s1,  
 Environment labelled  
 25 years triple guarantee in residential use.  
 Commercial Guarantee on request.

**Build up:**

Surface layer	Highly Developed Laminate (HDL) with TitanX™
Core material	High Density Fibre board (HDF)
Backing	Impregnated Paper

**Installation:**

Installation	Floating installation
Joint	PerfectFold™

**Classification Requirements, (EN 13329):**

Characteristic	Test method	Requirement	Typical result
Abrasion resistance	EN 13329 Annex E	AC 4; ≥ 4000 rev	> 4500 rev
Impact resistance	EN 13329 Annex F	IC 2 Small ball ≥ 12 N Large ball ≥ 1200 mm	> 12 N > 1600 mm
Resistance to staining	EN 438	5 (group 1&2) 4 (group 3)	5 (group 1&2) 4 (group 3)
Resistance to cigarettes burns	EN 438	Class 4	Class 4
Effect of a furniture leg	EN 424	Foot type 0 No change or damage	No change or damage
Effect of a castor chair	EN 425	25000 revs soft wheels No change or damage	No change or damage
Thickness swelling	EN 13329 Annex G	≤ 18 %	≤ 12 %

**General Requirements, (EN 13329):**

Characteristic	Test method	Requirement	Typical result
Dimensional stability	EN 13329 Annex C	≤ 0,9 mm	≤ 0,9 mm
Light fastness	EN ISO 105B02	Blue wool scale: ≥ 6	Blue wool scale: ≥ 7
Light fastness	EN ISO 20105A02	Grey scale: ≥ 4	Grey scale: ≥ 5
Static indentation	EN 433	≤ 0,01 mm	0,00 mm
Surface soundness	EN 13329 Annex D	≥ 1,0 N/mm <sup>2</sup>	> 1,4 N/mm <sup>2</sup>



Please Note: Specifications and features in this TDS could be subject to change without notice!

## living Expression Long Plank

## Essential Characteristics, (EN 14041):

Characteristic	Test method	Requirement	Typical result
Reaction to fire	EN 13501-1	National requirements	Class Cfl-s1
Content of pentachlorophenol	CEN/TR 14823	No content allowed	No content
Formaldehyde emission	EN 717-1	< 0,124 mg/m <sup>3</sup> (E1)	< E1
Slip resistance	EN 13893	Class DS : $\mu \geq 0,30$	DS
Thermal resistance	EN 12667	Declare	< 0,08 m <sup>2</sup> K/W

## Additional Technical Data:

Characteristic	Test method	Typical result
Impact sound reduction	ISO 717-2	$\Delta L_w > 17$ dB (including loose Pergo underlayment)
Risk of slipping	www.slipalert.com	$\mu_{dry} = 0,45-0,50$ (Low risk of slipping) $\mu_{wet} = 0,25-0,30$ (Moderate risk of slipping)
Resistance to Microscratches	IHD-W 445	Grade 1, $\Delta R' < 15\%$

## Environmental Approvals:

Certificate	Description
Ü-labelled (Germany)	General Construction Material Approval No. Z-156.606-580
A+, VOC-emission (France)	French law on VOC emissions in indoor air. Construction products are labelled from Class A + (very low emissions) to C (high emissions).
IAC GOLD	Indoor Air Comfort Gold certified product fulfilling all governmental and all voluntary VOC and ecolabelling requirements in the EU.
Nordic Ecolabel (Scandinavia)	Nordic Ecolabel Floors (The Swan) Licence 329 001 floors
PEFC	Programme for the Endorsement of Forest Certification schemes
M1 (Finland)	Emission approval for building materials
BASTA (Sweden)	Building material registered in the BASTA-system. The BASTA-system requires minimum or no use of harmful chemicals.
CARB (USA)	HDF compliant with CARB CCR-1793129.2(a) Phase 2

## Demographics, Plank &amp; Package:

Product	Length Mm	Width mm	Thickness mm	Quantity Panels/Pack	Quantity m <sup>2</sup>	Weight kg
Longplank- 4V	2054,0	208,0	9	6	2,563	22,8

## Demographics, Pallets:

Product	Length mm	Width mm	Height mm	Cube m <sup>3</sup>	Quantity Pack/Pallet	Quantity m <sup>2</sup>	Weight kg
Longplank- 4V	2120	920	760	1,48	44	112,77	1023



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