

Technical Data Sheet for HARO Laminate Floors

TRITTY 250 Top Connect



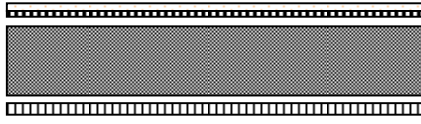
Residential applications			Commercial and public applications		
21 low traffic	22 medium traffic	23 high traffic	31 low traffic	32 medium traffic	33 high traffic

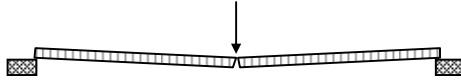

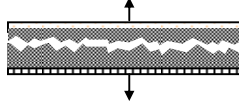
Classification according to EN 13329



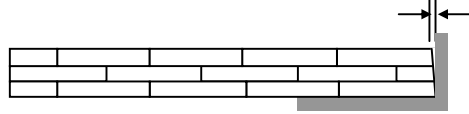
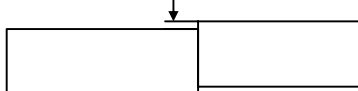
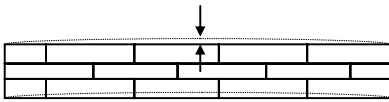
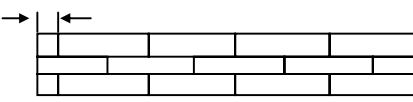
Laboratory tests			
Test criteria	Nominal values		Description
Abrasion resistance (EN 13329)	EN 13329		Evaluation of the abrasion resistance of the surface by means of the abrasion test (cycle 200 rev., sandpaper S-42, IP value => AC class).
	NOML.	mean	
	AC 5	complied with	
Impact test (EN 13329)	IC 3	complied with	The impact class IC3 fulfills the level of use criteria of class 33
Thickness swelling of flooring board edge (EN 13329)	18%	complied with	Swelling of flooring board edge due to temporary moisture influence; maximum permissible swelling which is not expected to cause any damage in the field. Up to 18%, a classification in all levels of use is possible.
Resistance to staining (prEN 438-2:2002)	very low	complied with	Change in gloss/colour under the influence of substances and chemicals normally found in households.
Resistance to cigarette burns (prEN 438-2:2002)	Grade 4	complied with	Change in gloss/colour under the influence of a burning cigarette placed on the flooring surface.
Effect of a castor chair (EN 425)	no change	suitable	Behaviour when subjected to a permanent load from a loaded office chair with suitable castors (type W).
Effect of a furniture leg (EN 424)	no change	suitable	Effects of moving a loaded furniture leg across the flooring surface.
Resistance to scratching (prEN 438-2:2002)	---	Grade 5	Behaviour when subjected to scratching; greatest weight force under which an edged tip (diamond) which is drawn across the surface leaves an only just visible marking.
Indentation hardness (EN 433, residual indentation)	not visible	complied with	Resistance of a surface against remaining imprints from loaded, small surface areas (stiletto heels).
Formaldehyde test (EN 717-1)	---	< 0.05 ppm	Quantity of formaldehyde emission into the ambient air ("Blue Angel" environmental label).
Heat transfer resistance (DIN 4108)	---	0.069 m ² K/W	Thermal conductivity value; good conductivity recommended for underfloor heating (limit value max. 0.15 m ² K/W), low conductivity (insulation) for "foot-cold" floors.
Slip resistance/ μ -value	---	0.3 - 0.6	A quantity determined by the friction partners (i.e. heel and floor), specifying the slip resistance for walking; with common heels the laminate floor is classified as (very) safe.
Light fastness, grey scale (EN 20105-A02)	Level 4	complied with	Change in gloss/colour under intensive exposure to light (e.g. sunlight).
Fire behaviour (ISO 13501-1)	---	Cfl-s1	'Hardly flammable' surfaces are required in areas such as emergency escapes, etc.

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Construction			
Decorative/wear layer	0.3 mm		DPL
Core layer	9.0 mm		HDF AR6
Balance backing	0.3 mm		DPL
Total thickness	9.6 mm		
Surface layer dim.	190 mm x 1282 mm		

Core layer			
Quality criteria	NOML. value	mean value	Symbol
Bending strength in N/mm ² acc. to EN 310	---	> 40 N/mm ²	
Delamination strength in N/mm ² acc. to EN 311	min. 1.0 N/mm ²	> 1.3 N/mm ²	
Tensile strength in transverse direction in N/mm ² acc. to EN 319	---	> 1.5 N/mm ²	

Ready-to-install plank			
Tolerance criteria	NOML. value	mean value	Symbol
Length	± 0.5 mm	± 0.5 mm	
Width	± 0.1 mm	± 0.1 mm	
Deviation from squareness	max. 0.2 mm	max. 0.1 mm	
Height difference between elements (raised edges)	max. 0.1 mm	max. 0.1 mm	
Straightness of surface layer (sickle-shaped warping)	max. 0.4 mm	max. 0.2 mm	
Pattern offset with strip patterns, longitudinal	---	min. 80 mm	
Pattern offset with strip patterns, transverse	---	max. 5 mm	