

## Technical Specification

### BLACK FOREST LAMINATE COLLECTION Flooring System



<b>Top Surface</b>	Melamine impregnated decorative film. Protected by anti abrasive overlay.
<b>Core Material</b>	H.D.F. (High Density Conifer Fibreboard) impregnated with wax treatment for greater water/moisture resistance. Average core density $\geq 880/900 \text{ kg/m}^3$ .
<b>Bottom Surface</b>	Balancing film.
<b>Thickness</b>	12mm.
<b>Length</b>	2200mm.
<b>Width</b>	239mm.
<b>Fit for use Grading</b>	AC4/W32 - EN 13329-2006 general commercial application.
<b>Installation method</b>	Interlocking Valinge – drop down system (Glueless installation)
<b>Warranty</b>	25 years heavy domestic 5 years General commercial use.

### Technical Data

TEST	STANDARD	CHARACTERISTICS/ RESULTS
Behavior to impact load	EN 13329	IC 2 - height of fall 1700 MM is the maximum height without damage (1750 MM Height)
Behavior to abrasion	EN 13329	IP 4000 Revolutions
Behavior to scratching	ISO 1518	> 25N
Insensitivity of wear layer to stains	EN 438.2.15	Rating 5 (no effect).
Porosity	Graphite test 1	Grade 1 (Pore-free).
Light fastness/UV resistance	EN 438.2.6	Level 6 - Blue wool standard (No discolouration) Note: Changes are measured against Blue scale.
Resistant to glowing cigarette Ash	EN 438.2.18	Degree 5 (No visible change)
Formaldehyde emission	E.T.B. Regulation	Measured in permissible P.P.M. emission. Approved and test at quality E 1.
Waste disposal	N/A	Residual materials disposable with domestic waste. <b>No</b> Toxic fumes released during thermal disposal.
Fire classification	DIN 4102	Flame-retardant - B1.
Ignitibility	DIN 51960	Does not ignite easily.
Smoke development	0 – Norm B3800/1	Class Q1 – Low smoke development (Austrian Institute for floor covering).
Indentation test	DIN 51955	Residual indentation 0.0 mm (I.B.A – Koblenz).
Chair castor test	DIN 54324	<b>No negative</b> changes when using soft wheel castors Type W (I.B.A. Koblenz)
Susceptibility to Cracking	EN 438-2.26	No cracks observable. Specimen is subjected to large temperature change.
Simulated pushing of Furniture leg.	EN 424	No visible damage.
Thickness swelling test	EN 13329	< 8/10% swelling.
Static locking strength (Joint strength)	ISO 24334	>600 KG/LM