



The top layer, known as the wear layer, protects against staining, fading and wearing. It is made from translucent paper (wood fibre), impregnated with moisture repelling resin and abrasion resistant aluminum oxide, which is roughly as hard as diamonds.

The next layer is a color image printed on specialty paper providing an authentic appearance.

The core of the floor is a high-density wood fibre panel that is extremely dent and moisture resistant.

On the bottom of each plank is the balancing layer. This protects planks from bottom-up moisture and provides structural integrity.

## TECHNICAL FACTS & SPECIFICATIONS

Design:	Wear Layer	Melamine resin based overlay paper
	Decorative paper	Impregnated decorative paper
	Balance paper	Melamine resin based backing
	HDF	E1 High density fiber
	Surface Texture	Medium embossed(W20803-01; 93979; 91976-1) Crystal finish(968268; 91961-1; 909004A; 98282-6; W20712-01; W10806-06; 910873; 920059; 980339)
	Special features	4-sides moisture protection

### Other Properties

NO.	Characteristic	Standard	Laminate Flooring Requirement
1	Thickness of the element	EN 13329:2006	$\Delta t_{\text{average}} \leq 0.50\text{mm}$ , relative to nominal value, $t_{\text{max}} - t_{\text{min}} \leq 0.50\text{mm}$
2	Height different between elements	EN 13329:2006	$h_{\text{average}} \leq 0.10\text{mm}$ $h_{\text{max}} \leq 0.15\text{mm}$
3	Abrasion class	EN 13329:2006	AC4:IP- value: $\geq 4000$ revolutions
4	Static Indentation	EN 13329:2006	No visible change, i.e. $\leq 0.01\text{mm}$ indentation using a straight steel cylinder, $\varnothing = 11.30\text{mm}$
5	Dimensional variations after changes in relative humidity	EN 13329:2006	$\delta l_{\text{average}} \leq 0.9\text{mm}$ $\delta W_{\text{average}} \leq 0.9\text{mm}$
6	Light Fastness	EN 13329:2006	Blue wool scale, not worse than 6, Grey scale, not worse than 4
7	Resistance to cigarette burns	EN 13329:2006	$\geq$ Grade 4
8	Resistance to Staining	EN 13329:2006	5, (groups 1 and 2)      4, (group 3)
9	Effect of furniture leg	EN 13329:2006	No damage shall be visible, when tested with foot type 0
10	Effect of a castor chair	EN 425	No change in appearance or damage
11	Thickness Swelling	EN 13329:2006	$\leq 18.0\%$
12	Formaldehyde Emission	EN 717	E1 value: $0.125\text{mg}/\text{m}^3 = 0.1\text{ppm}$