TECHNICAL DATA
KÄHRS LUXURY TILES

		IMPRESSION	CLICK 6 MM	CLICK 5 MM	CLICK HERRINGBONE	CLICK 3,5 MM	LOOSE LAY	DRY BACK	DRY BACK XPRESSION
Size mm		Wood 220x1829 Stone 457x914	Wood 218x1210 Stone 300x600	Wood 172x1210 Stone 300x600	Wood 120x720	Wood 177x1210	Wood 229x1219 Stone 500x500	0.7 HB 102x457 Wood 229x1219 Stone 305x610 Stone 457x457	Wood 177.8x1219.2 Stone 500x500
Assembly		Click 5G	Click 5G	Click 5G	Click 5Gi	Click 5Gi	-	-	-
Classification	EN ISO 10874	23/33/42	23/33/42	23/31	23/33/42	23/31	23/32	0.7 23/34/43 0.55 23/33/42 0.3 23/31	23/34/43
Thickness	EN ISO 24346	6.0 mm	6.0 mm	5.0 mm	5.0 mm	3.5 mm	5.0 mm	2.5 mm	2.0 mm
Weight	EN ISO 23997	9.76 kg/m²	9.76 kg/m²	7.87 kg/m²	9.58 kg/m²	6.6 kg/m²	9.7 kg/m²	4.2 kg/m²	3.4 kg/m²
Wear layer	EN ISO 24340	0.55 mm	0.55 mm	0.30 mm	0.55 mm	0.30 mm	0.50 mm	0.70 mm 0.55 mm 0.30 mm	
Indoor air certifications		M1 FloorScore A+	M1 FloorScore A+	M1 FloorScore A+	M1 FloorScore A+	M1 FloorScore A+	M1 FloorScore A+	M1 FloorScore A+	M1, FloorScore, Austrian Ecolabel A+
Reaction to fire	EN 13501-1	B_{fl}-s1	B_{fl}-s1	B_{fl}-s1	B_{fl}-s1	B_{fl}-s1	B_{fl}-s1	B_{fl}-s1	C_{fl}-s1
Residual indentation	EN ISO 24343-1	< 0.2 mm (integrated underlayment)	< 0.2 mm (integrated underlayment)	< 0.2 mm (integrated underlayment)	< 0.05 mm	< 0.05 mm	< 0.1 mm	≤ 0.05 mm	< 0.05 mm
Dimensional stability	EN ISO 23999	< 0.1%	< 0.1%	< 0.1%	< 0.1%	< 0.1%	≤ 0.15%	< 0.1%	< 0.1% (+50 °C/6 h)
Color fastness	EN ISO 105-B02	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
Slip resistance	EN 13893 DIN 51130	DS (> 0.3) R10	DS (> 0.3) R10	DS (> 0.3) R10	DS (> 0.3) R10	DS (> 0.3) R10	DS (> 0.3) R10	DS (> 0.3) R10	DS (> 0.3) R9
Electrical propensity	EN 1815	< 2 kV (antistatic)	< 2 kV (antistatic)	< 2 kV (antistatic)	< 2 kV (antistatic)	< 2 kV (antistatic)	< 2 kV (antistatic)	< 2 kV (antistatic)	< 2 kV (antistatic)
Wear and scratch resistance	EN 16094	Pass with good results	Pass with good results	Pass with good results	Pass with good results	Pass with good results			
	EN 660-2						< 2.0 mm³ (Group T)	< 2.0 mm³ (Group T)	< 2.0 mm³ (Group T)
	ISO 5470-1								0.05 g/1000 cycles

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Chemical resistance	EN ISO 26987	Pass with good results	Pass with good results	Pass with good results	Pass with good results	Pass with good results	Pass with good results	Pass with good results	Pass with good results
Thermal resistance	EN 12664	0.035 m²K/W	0.035 m²K/W	0.032 m²K/W	0.011 m²K/W	0.011 m²K/W	0.013 m²K/W	0.011 m²K/W	0.009 m²K/W
Effect of castor chair	EN 425	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable	Suitable
Underfloor heating		Ok (max +27 °C)	Ok (max +27 °C)	Ok (max +27 °C)	Ok (max +27 °C)	Ok (max +27 °C)	Ok (max +27 °C)	Ok (max +27 °C)	Ok (max +27 °C)
Resistance to bacteria and fungi		Good	Good	Good	Good	Good	Good	Good	Good
Impact sound reduction	EN ISO 10140	ΔL_w = 20 dB (integ. underlayment)	ΔL_w = 20 dB (integ. underlayment)	ΔL_w = 20 dB (integ. underlayment)	-	-	-	-	-
Sound reduction		X	X	X	-	-	-	-	-
Rigid core		X	X	X	X	X	-	-	-
Free from phthalates		X	X	X	X	X	X	X	X
Waterproof material		X	X	X	X	X	X	X	X
Ceramic coating		X	X	X	X	X	X	X	-
Synchrone embossing		X	-	-	-	-	-	-	-
PVC free		-	-	-	-	-	-	-	X
Enomer®		-	-	-	-	-	-	-	X