

noraplan® Technical Data

	Test Method	Requirement/Note	Test Result					
			2 mm	3 mm	2 mm	2 mm/3 mm	4 mm	2 mm/3 mm
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Rubber Floor Tile	ASTM F1344		Type 1 Grade 1 (excludes nTx)	Type 1 Grade 1 (excludes nTx)	-	Type 1 Grade 1 (excludes nTx)	-	Type 1 Grade 1 (excludes nTx)
Rubber Sheet Floor Without Backing	ASTM 1859		Type 1	Type 1	Type 1	Type 1	Type 1	Type 1
Rubber Sheet Floor With Backing	ASTM 1860		-	-	-	-	-	-
Limited Warranty		Years	15	15	15	15	15	15
nTx Bond Warranty		Years	10	10	-	-	-	-
Conductivity Warranty		Years	-	-	-	-	-	10
Radiant Flux	E648/NFPA 253	≥0.45 watts/sq cm for Class 1 required	Class 1 0.97 nTx: 0.83	Class 1 1.03 nTx: 0.82	Class 1 0.82	Class 1 2 mm: 0.98 3 mm: 1.08	Class 1 1.08	Class 1 1.0
Smoke Density	ASTM E662	<450 required	70/41 nTx: 185/97	376/256 nTx: 282/155	216/315	2 mm: 134/109 3 mm: 360/203	299/153	2 mm: 81/122 3 mm: 352/342
Surface Burning	CAN/ULC-S102.2		Refer to the nora® Guide Specification or contact the nora® Technical Department for details.					
Slip Resistance	ASTM D2047	Dry/Wet ≥0.5 required	0.93/0.90	0.93/0.91	0.84/0.79	0.97/0.85	1.0/0.90	0.92/0.89
Bacteria Resistance	ASTM E2180/ ASTM G21		Resistant to bacteria, fungi, and micro-organism activity					
Latex Allergies	ASTM D6499		Inhibition Elisa, results are below detection level					
Sound Absorption	ASTM E2179	compare ΔIIC values	ΔIIC 12	ΔIIC 13	ΔIIC 12	2 mm: ΔIIC 12 3 mm: ΔIIC 13	ΔIIC 23	ΔIIC 10
Sound Absorption	ISO 10140-3	compare ΔLw values	ΔLw 8 dB	ΔLw 10 dB	ΔLw 8 dB	2 mm: ΔLw 8 dB 3 mm: ΔLw 10 dB	ΔLw 20 dB	2 mm: ΔLw 6 dB 3 mm: ΔLw 10 dB
Hardness	ASTM D2240	Shore Type A	92	92	92	92	92	92
Static Load Limit	ASTM F970	with 800 lbs/psi ≤0.005 in with 250 lbs required	0.003 nTx: 0.002	0.003	0.003	2 mm: 0.002 3 mm: 0.003	0.003	0.003
Rolling Load Limit	ASTM F2753	lbs/psi (1)	450	550	450	2 mm: 450 3 mm: 550	450	2 mm: 450 3 mm: 550
Forklift Traffic Allowed			-	-	-	-	-	-
Abrasion Resistance	ASTM D3389	H-18 Wheels 1.1 lb load and 1000 cycles ≤0.035 oz (1.0 g) required	0.008	0.003	0.008	0.006	0.007	2 mm: 0.002 3 mm: 0.003
Resistance to Chemicals	ASTM F925		Passes	Passes	Passes	Passes	Passes	Passes
Resistance to Oil & Grease	ISO 26987		-	-	-	-	-	Passes
Resistance to Heat	ASTM F1514	Avg. ΔE ≤8.0 required	Easily achieved with all batches and regular maintenance.					
Static Generation	AATCC 134	20% RH	<1000 volts	<1000 volts	<1000 volts	<1000 volts	<1000 volts	-
Static Generation*	ANSI ESD S97.2		-	-	-	-	-	<20 volts
Conductivity	ASTM F150	Ohms	-	-	-	-	-	10 ⁶ <10 ⁹
Thermal Transmission	ASTM C518	R-value	0.04	0.04	0.04	0.04	0.20	2 mm: 0.01 3 mm: 0.04

Embodied Carbon (Gradle to Gate)			4.44 kg CO ₂ e/m ³	6.69 kg CO ₂ e/m ³	4.44 kg CO ₂ e/m ³	2 mm: 4.44 kg 3 mm: 6.69 kg CO ₂ e/m ³	8.5 kg CO ₂ e/m ³	2 mm: 12.2 kg CO ₂ e/m ³
Total Recycled Content (Pre Consumer)			-	-	-	-	29%	-
Indoor Air Quality			GREENGUARD Gold Certified; CDPH 01350 compliant					
Disclosure of Environmental Impacts			EPD	EPD	EPD	EPD	EPD	EPD
Disclosure of Product Ingredients			HPD	HPD	HPD	HPD	-	HPD
Cradle to Cradle Certified®			Silver	Silver	Silver	Silver	-	-
Greenhealth Approved			Yes	Yes	Yes	Yes	-	-
LEED v4			Refer to the nora® Guide Specification for details.					

(1) Wheel Types: No metal or hard plastic wheels, the shape of the contact surface of wheels must be flat with round edges. The shore hardness must be Type A ≤ 90.

* Tested with conductive shoes

** Not tested

Note: Exact values may vary due to the test methods and tolerance between batches. The ASTM minimum requirement shall be achieved or exceeded.

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