



noraplan<sup>®</sup>

Product	2.0 mm Products: eco, environcare, sentica, stone, environcare nTx, sentica nTx	3.0 mm Products: environcare, sentica, environcare nTx, sentica nTx	2.0 mm/3.0 mm: linee	2.0 mm/3.0 mm: lona	2.0 mm/3.0 mm: valua	acoustic Products: environcare, sentica	ed Products: environcare, sentica
<b>ASTM F1344 Rubber Floor Tile</b>	Type I Grade 1 (excludes nTx)	Type I Grade 1 (excludes nTx)	-	Type I Grade 1	Type I Grade 1 (plank only)	-	Type I Grade 1 (2.0 mm only)
<b>ASTM F1859 Rubber Sheet Floor Without Backing</b>	Type I	Type I	Type I	Type I	Type I (excludes plank)	-	Type I
<b>ASTM F1860 Rubber Sheet Floor With Backing</b>	-	-	-	-	-	Type I Grade 2	-
<b>Limited Wear Warranty (in years)</b>	15	15	5	5	5	15	15
<b>Bond Warranty (nTx only – in years)</b>	10	10	-	-	-	-	-
<b>Conductivity Warranty (in years)</b>	-	-	-	-	-	-	10
<b>Flammability (E648/NFPA 253): ≥ 0.45 watts/sq. cm for Class 1 required</b>	Class 1 0.97 0.88 (nTx)	Class 1 1.03 0.82 (nTx)	Class 1 0.98 (2.0 mm) 1.03 (3.0 mm)	Class 1 0.93 (2.0 mm) 1.09 (3.0 mm)	Class 1 0.98 (2.0 mm) 1.08 (3.0 mm)	Class 1 1.0	Class 1 1.0
<b>Smoke Density (ASTM E662/NFPA 258): &lt; 450 required for both flaming/non-flaming</b>	196/207 199/120 (nTx)	376/256 282/155 (nTx)	134/109 (2.0 mm) 360/203 (3.0 mm)	152/186 (2.0 mm) 150/246 (3.0 mm)	134/109 (2.0 mm) 360/203 (3.0 mm)	299/153	81/122 (2.0 mm) 352/342 (3.0 mm)
<b>CAN/ULC-S102.2: Surface Burning for FSC1/SD</b>	Contact the nora <sup>®</sup> Technical Department or refer to the nora <sup>®</sup> Guide Specification for details.						
<b>Slip Resistance (ASTM D2047): ≥ 0.5 required for both dry/wet</b>	0.93/0.90	0.93/0.91	0.85/0.75	0.92/0.91 (2.0 mm) 0.97/0.94 (3.0 mm)	0.97/0.85	1.0/0.90	0.92/0.89
<b>Suitable for Ramps</b>	No	No	No	No	No	No	No
<b>Bacteria Resistance (ASTM E2180/ ASTM G21)</b>	Resistant to bacteria, fungi, and micro-organism activity						
<b>Indoor Air Quality:</b>	GREENGUARD Gold Certified for low VOC Emissions in compliance with CDPH 01350						
<b>Carbon:</b>	3 <sup>rd</sup> party certified carbon neutral throughout their entire life cycle through the Interface Carbon Neutral Floors <sup>™</sup> program. Learn more at <a href="http://www.interface.com/carboneutral">www.interface.com/carboneutral</a> .						
<b>Latex Allergies (ASTM D6499)</b>	Inhibition Elisa, results are below detection level						
<b>Sound Absorption (ASTM E2179): compare ΔIIC values only</b>	ΔIIC 11	ΔIIC 14	Call for specifics	ΔIIC 11 (2.0 mm) ΔIIC 14 (3.0 mm)	Call for specifics	ΔIIC 21	**
<b>Sound Absorption (ISO 140): compare ΔLw values only</b>	ΔLw 8 dB	ΔLw 10 dB	ΔLw 8 dB (2.0 mm) ΔLw 10 dB (3.0 mm)	ΔLw 8 dB (2.0 mm) ΔLw 10 dB (3.0 mm)	ΔLw 8 dB (2.0 mm) ΔLw 10 dB (3.0 mm)	ΔLw 18 dB	ΔLw 6 dB (2.0 mm) ΔLw 10 dB (3.0 mm)
<b>Hardness (ASTM D2240): Shore Type A</b>	92	92	92	92	92	92	92
<b>Static Load (ASTM F970): with 800 lbs./psi ≤ 0.005 in. with 250 lbs. required</b>	0.003 0.002 (nTx)	0.003	0.002 (2.0 mm) 0.003 (3.0 mm)	0.003	0.002 (2.0 mm) 0.003 (3.0 mm)	0.003	0.003
<b>Rolling Load Limit (ASTM F2753): lbs./psi (1)</b>	450	550	450 (2.0 mm) 550 (3.0 mm)	450 (2.0 mm) 550 (3.0 mm)	450 (2.0 mm) 550 (3.0 mm)	450	450 (2.0 mm) 550 (3.0 mm)

Product	2.0 mm Products: eco, environcare, sentica, stone, environcare nTx, sentica nTx	3.0 mm Products: environcare, sentica, environcare nTx, sentica nTx	2.0 mm/3.0 mm: linee	2.0 mm/3.0 mm: lona	2.0 mm/3.0 mm: valua	acoustic Products: environcare, sentica	ed Products: environcare, sentica
Forklift Traffic	No	No	No	No	No	No	No
Abrasion Resistance (ASTM D3389): H-18 Wheels 1.1 lb. load and 1000 cycles ≤ 0.035 oz. (1.0g) required	0.008	0.003	0.006	0.008 (2.0 mm) 0.003 (3.0 mm)	0.006	0.007	0.002 (2.0 mm) 0.003 (3.0 mm)
Oil & Grease Resistance (EN/ISO 26987)	No	No	No	No	No	No	Yes
Heat Resistance (ASTM F1514): Avg. ΔE ≤ 8.0 required	Easily achieved with all batches and regular maintenance.						
Light Resistance ASTM F1515): Avg. ΔE ≤ 8.0 required	Easily achieved with all batches and regular maintenance.						
Static Generation (AATCC 134): 20% RH	< 2000 volts	< 2000 volts	< 2000 volts	< 2000 volts	< 2000 volts	< 2000 volts	< 2000 volts
Static Generation (ANSI ESD S97.2): *	-	-	-	-	-	-	< 20 volts
Conductivity (ASTM F150): ohms	-	-	-	-	-	-	10 <sup>4</sup> < 10 <sup>9</sup>
Thermal Transmission (ASTM C518): R-value	0.04	0.04	0.04	0.04	0.04	0.20	0.01 (2.0 mm) 0.04 (3.0 mm)

(1) The shape of the wheel's contact surface must be flat with rounded edges. No metal wheels. Shore hardness should be ≤ 90, Type A.

\* 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.

Dated: April 2021

**nora systems, Inc.**

9 Northeastern Blvd.

Salem, NH 03079

Toll free: 800-332-NORA

Phone: (603) 894-1021

Fax: (603) 894-6615

E-mail: info-us@nora.com

www.nora.com/us