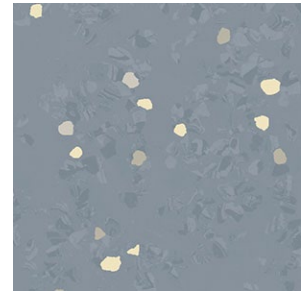


# noraplan environcare ed

Electrostatically dissipative (ESD) rubber sheet and tile flooring in a design combining a changing base color of three harmoniously matched color components and characteristic granules with a smooth surface. Provides optimum ESD protection for electronic devices and equipment.



## **Product Construction Specifications**

Product: noraplan environcare™ ed 2 mm resilient floor covering, Articles 1390 (sheet) and 2390 (tile)

Material Composition: nora® vulcanized rubber compound 948 with environmentally compatible color pigments that are free of toxic heavy metals like lead, cadmium, or mercury

Material Size:

- Sheet: 15 m by 1.22 m (~49.21 ft by 48 in)
- Tile: 610 mm by 610 mm (~24.015 in by 24.015 in)

Thickness: 2 mm (~0.08 in)

Dimensional Stability: Meets requirements

Construction: Homogeneous rubber compound with a random scattered design

Colors: 14 Standard

Surface: Smooth

## **Performance Standards**

Flammability (E648/NFPA 253): ≥ 0.45 watts/sq cm for Class 1 is required	NBSIR 75 950, 1.0
Smoke Density (ASTM E662): < 450 is required	NBS, 81 (flaming) and 122 (non-flaming)
Surface Burning (CAN/ULC-S102.2):	FSC1 of 60 and SD of 550
Slip Resistance (ASTM D2047): ≥ 0.5 is required	Static coefficient of friction, Neolite dry 0.92 Neolite wet 0.89
Bacteria Resistance (ASTM E2180/ASTM G21):	Resistant to bacteria, fungi, and micro-organism activity
Sound Absorption (ASTM E2179/ISO 10140-3):	ΔIIC 10, ΔLw 6 dB (compare only Δ values)
Hardness (ASTM D2240): ≥ 85 is required	Shore type A, 92
Static Load (ASTM F970): ≤ 0.005 in with 250 lbs is required	Residual compression of 0.003 in with 800 lbs
Rolling Load Limit (ASTM F2753):	≤ 450 lbs/sq in; no forklift traffic
Abrasion Resistance (ASTM D3389): ≤ 0.035 oz (1.0 g) is required	1.1 lbs (500 g) load on H-18 wheel with 1000 cycles, 0.002 oz (0.05 g) weight loss
Oil & Grease Resistance (ISO 26987):	Yes
Static Generation (ANSI ESD S97.2):	< 20 Volts
Decay Time (FTM 101 C 4046):	< 0.25 (sec)
Conductivity (ASTM F150):	10 <sup>6</sup> < 10 <sup>9</sup> (ohms)

## **Health + Environmental Specifications**

Embodied Carbon (Cradle to Gate): 12.2 kg CO<sub>2e</sub>/m<sup>3</sup>

Indoor Air Quality: GREENGUARD Gold Certified for low VOC emissions in compliance with CDPH 01350

Discloser of Environmental Impact: Environmental Product Declarations (EPDs)

Disclosure of Product Ingredients: Health Product Declarations (HPDs)

LEED v4: Contributes to multiple IEQ and MR credits

Material Composition: Free of added formaldehyde, heavy metals and ortho-phthalates, fluorinated chemicals (PFAS), and halogenated flame retardants

Production Plant Certifications: ISO 9001:2000, ISO 14001

## **Installation**

Site Conditions: The installation area must be fully enclosed, weather tight, and climate controlled between 63°F and 75°F and 40% to 60% ambient relative humidity (RH) for at least 48 hours prior, during and 72 hours after installation.

Adhesive:

- Absorptive substrates: use nora® ED MR90™ or nora dryfix™ ed adhesives
- Nonabsorptive substrates: use nora dryfix ed
- Must use copper strip for every 2,500 square feet; all areas not in direct contact with the surrounding flooring will require additional copper strip

Unique Characteristics:

- Good for heavy traffic
- Superior footfall sound absorption
- Superior slip resistance
- High fire-retardant properties
- Monolithic seamless installation with coordinating weld
- Welding not required, unless specified

For complete installation instructions refer to the nora Installation Instructions.

## **Care and Cleaning**

No finishes/coatings or harsh chemicals necessary. A post-installation cleaning must be performed before the area is occupied. Refer to the nora Maintenance Guidelines.

## **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.

## **Storage**

nora flooring can be stored within a temperature range of -5°F (-21°C) to 120°F (49°C) under the following conditions: Pallets must remain intact with sheet goods standing on end, undamaged, not be stacked, be in a permanently dry environment, and with no direct sunlight. However, all adhesives and cold weld must remain at room temperature without freezing.

## **Warranty**

Limited 10-year conductivity warranty and 15-year warranty. Refer to the nora Limited Warranty - Americas.

Current nora Installation Instructions, Guide Specifications, Maintenance Guidelines, and Limited Warranties, can be found at [www.nora.com](http://www.nora.com).

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