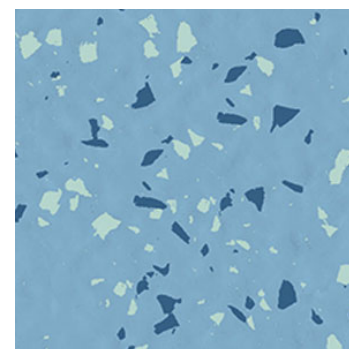


# norament<sup>®</sup> grano ed

## TILE

Electrostatically dissipative “ed” floorings for optimum ESD protection of electronic devices and equipment. Protect against electrical shock, resist most oils and greases and are suitable for forklift truck areas.

- Good for very heavy usage
- Superior footfall sound absorption
- Excellent slip resistance
- Increased safety thanks to high fire-retardant properties
- Seamless installation
- No coatings needed



### Product Data

Product	norament <sup>®</sup> grano ed 3.5 mm tile resilient floor covering, Article 1880
Description	nora <sup>®</sup> vulcanized rubber compound 928 with environmentally compatible color pigments that are free of toxic heavy metals like lead, cadmium or mercury.
Characteristics	Material Size: 39.53 inches by 39.53 inches (1004 mm by 1004 mm) Thickness: 0.14 inches (3.5 mm) Dimensional Stability: Meets requirements Composition: Homogeneous rubber compound with a random scattered design Colors: 5 Standard Surface: Hammered

### Technical Data

Static Load Limit	ASTM F970, Residual compression of 0.005” with 800 lbs. ≤ 0.005” with 250 lbs. is required
Rolling Load Limit	≤ 850 lbs. /sq. inch; for forklift traffic nora polyurethane adhesive is required
Slip Resistance	ASTM D2047 Static coefficient of friction, Neolite dry 0.99 Neolite wet 0.95 ≥ 0.5 is required (not recommended for ramps)
Flammability	ASTM E648; NFPA 253; NBSIR 75 950, 0.92 Class 1, ≥ 0.45 watts/sq. cm is required
Smoke Density	ASTM E662; NFPA 256; NBS, 267 (flaming) and 130 (non-flaming) < 450 is required
Bacteria Resistance	ASTM E2180 and ASTM G21, resistant to bacteria, fungi, and micro-organism activity
Sound Absorption	ASTM E2179; ISO 140, Δ IIC 11, Lw11dB (compare only Δ values)
Hardness	ASTM D2240, Shore type “A”, 82 achieved, ≥ 70 is required
Static Generation	ANSI ESD S97.2, < 20 Volts
Decay Time	FTM 101 C 4046, < 0.25 (sec)

Conductivity	ASTM F150, $10^6 < 10^9$ (ohms)
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### Environmental Attributes

Manufactured Without	PVC (polyvinyl chloride) Plasticizers (phthalates) Halogens (chlorine)
Production Plant Certifications	ISO 9001:2000 ISO 14001
VOC Emissions	GREENGUARD Gold Certified for Low VOC Emissions CA 01350 Compliant

### 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 120 adhesive Non-absorptive substrates: Contact nora technical department
Unique Characteristics	Welding not required

For complete installation instructions, refer to the nora® Installation Guide.

### Care and Cleaning

A post-installation cleaning must be performed before the area is occupied.

Refer to the norament® maintenance guides.

### 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  $\leq 90$ .

### 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 shall remain intact, 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 warranty. See nora® Limited Warranty.

For current nora® Installation Guides, Guide Specifications, Maintenance Guides, and Limited Warranties, please visit [www.nora.com/us](http://www.nora.com/us).

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