norament **grano stairtreads**

One-piece rubber stair covering includes stair nosing, riser, and tread and are built to fit straight steps with an angled edge. Rich, contrasting granular design with a hammered surface.

Product Construction Specifications

Product: norament® grano™ stairtreads, Articles 479, 468, and 469

Material Composition: nora® vulcanized rubber compound 926 with environmentally compatible color pigments that are free of toxic heavy metals like lead, cadmium, or mercury

Material Dimensions:
- Length:
  - Article 479: 1285 mm (~50.59 in)
  - Article 468: 1614 mm (~63.54 in)
  - Article 469: 2004 mm (~78.89 in)
- Depth: 505 mm (~19.88 in)
- Nosing Height: 45 mm (~1.77 in)

Thickness: 5 mm (~0.20 in)

Construction: Homogeneous rubber compound with a random scattered design

Colors: 12 Standard

Surface: A combination of hammered and smooth

Performance Standards

ASTM F2169 Standard Specification for Resilient Stair Treads:	Type TS, Class 2, can be Group 1 and/or 2 and Grade 2
Flammability (ASTM 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, 296 (flaming) and 16 (non-flaming)
Surface Burning (CAN/ULC-S102-2):	FSC1 of 70 and SD of 470
Slip Resistance (ASTM D2047): ≥ 0.5 is required	Static coefficient of friction, Neolite dry 0.99 Neolite wet 0.95
Bacteria Resistance (ASTM E2180/ASTM G21):	Resistant to bacteria, fungi, and micro-organism activity
Hardness (ASTM D2240): ≥ 70 is required	Shore type A, 82
Static Load (ASTM F970): ≤ 0.005 in with 250 lbs is required	Residual compression of 0.005 in with 800 lbs
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):	Pass

Health + Environmental Specifications

Embodied Carbon (Cradle to Gate): 17.2 kg CO_2e/m^3

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)

Additional Certification and Transparency Documentation: Cradle to Cradle Certified® Silver; Greenhealth Approved.

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:
*   Use nora® stepfix™ 240 adhesive for all substrates

Unique Characteristics:
*   Good for very heavy traffic
*   Superior footfall sound absorption
*   Superior slip resistance
*   High fire-retardant properties
*   Visually Impaired (VI) strips available (the use of nora epoxy nose filler required)
*   No nose caulking required with most installations
*   With steps that are wider than the stair treads (~6 ft) it will be necessary to join sections together. nora recommends staggered fitting (ashlar) of the cuts from one step to the next. The factory ends are cut straight and trimmed to fit. The joints must be adhered using a cyanoacrylate adhesive (i.e. super glue).

For complete installation instructions refer to the nora Installation Instructions.

VI Strip Option

Product: PERMALIGHT® Photoluminescent Anti-Slip Tape, Art. 0826

Description: Slightly structured anti-slip surface tape with self-adhesive backing. Textured, smooth and photoluminecent VI strips may be pre-installed into any of our one-piece stair covers for an additional charge.

Sizes:
*   Material #: 503027 1-in wide x 79-ft long
*   Material #: 503038 2-in wide x 52-ft long

Compliances:
*   UL1994 (CC-AST)
*   UL410
*   IBC (International Building Code)
    –   Section 1024 (2009, 2012 editions)
    –   Section 1025 (2015, 2018 editions) "Luminous Egress Path Markings"
*   IFC (International Fire Code)

Photoluminescence Activation:
- 1 ft-candle (11 lux) of LED lighting OR
- 1 ft-candle (11 lux) of fluorescent lighting OR
- Ambient daylight (unrelated to code compliance)

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 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.

nora®, norament®, and noraplan® are trademarks owned by nora systems GmbH and registered in the United States, Canada, and other countries. Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute. Other labels used here are trademarks of their respective owners.

Updated: April 2024