

# norament<sup>®</sup> grano

## Product Description:

A rubber floor covering manufactured by nora systems, Inc. that is approved by Lloyd's Register Quality Assurance to the Quality Assurance Management System Standard ISO 9001:2000. Also ISO 14001 Environmental Management Systems certified.

## Resilient tile flooring for commercial traffic

1. Product Name: norament<sup>®</sup> grano, Article 1880
2. Material: nora vulcanized rubber compound 926 with abundant natural fillers and environmentally compatible color pigments
3. Surface: Hammered
4. Color: As selected
5. Tile Size: 0.14 inches (3.5mm) overall thickness, 39.53 inches by 39.53 inches (1004mm by 1004mm)
6. Back of Tile: Smooth, double-sanded back
7. Composition: Homogeneous rubber compound 926 with mottled design
8. Limited Wear Warranty: 10 years
9. Hardness: ASTM D2240, Shore type A, required  $\geq 75$
10. Static Load: Per ASTM F970 Standard Test Method for Static Load Limit, residual compression, when tested with 800 lbs.  $\leq 0.005''$
11. Quality of Cut: ASTM F511  $\leq 0.005''$
12. Squareness: ASTM F2055  $\leq 0.010''$
13. ISO 14001: Manufacturer shall be ISO 14001 Environmental Management Systems Certified
14. PVC Free: Product shall contain no polyvinyl chloride
15. Abrasion Resistance: Taber abrasion test, ASTM D3389, H-18 wheel, 500 gram load, 1000 cycles, gram weight loss  $\leq 0.4$
16. Slip Resistance: Static coefficient of friction (James Test): ASTM D2047,  $\geq 0.8$
17. Oil & Grease Resistant: Yes
18. Bacteria Resistance: Product shall be resistant to bacteria, fungi, and micro-organism activity, according to ASTM E2180 and ASTM G21
19. Halogen Free: Product shall contain no halogens
20. Sound Absorption: 7 dB per ISO 140-8 and 39 IIC per ASTM E2179
21. Burn Resistance: Cigarette and solder burn resistance
22. Heat Resistance: Avg. Delta E  $< 8.0$  per ASTM F1514
23. Flammability: ASTM E648; NFPA 253; NBSIR 75 950,  $\geq 0.45$  watts per square centimeter, Class 1
24. Smoke Density: ASTM E662, NFPA 258, NBS smoke density,  $< 450$
25. Asbestos Free: Product shall contain no asbestos
26. Static Generation:  $< 2000$  Volts (2KV) at 20% RH as per AATCC 134
27. Non Hazardous: Flooring shall be made without any chemicals that may be hazardous or containing any teratogenic, mutagenic or any other ingredients known to be carcinogenic
28. Cleaning: Flooring surface shall have the ability to be cleaned and maintained without the use of any chemicals that may be hazardous or containing any teratogenic, mutagenic or any other ingredients known to be carcinogenic. Manufacturer shall make available a cleaning system that effectively cleans the flooring surface using water, cleaning pads and a suitable cleaning machine, without the use of factory and/or field-applied coatings.
29. Shine: Higher shine surfaces can be achieved by dry buffing without any artificial topical applied coatings
30. Installation System: Use only nora<sup>®</sup> pro install system products following the current nora Installation Guide that may consist of part or all of the following steps depending upon the substrate conditions and requirements of the specific project.

- Step 1 – nora® membrane (see Installation Guide for requirements).
- Step 2 – nora® primer (see Installation Guide for requirements).
- Step 3 – nora® leveler (see Installation Guide for requirements).
- Step 4 – nora® patch (see Installation Guide for requirements).
- Step 5 – nora® adhesives, the flooring usage and substrate conditions will determine the appropriate adhesive. Contact your nora representative for specific recommendations.

For more information, please refer to the MSDS, Installation Guides and Guide Specifications available on [www.nora.com/us](http://www.nora.com/us).

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**nora systems, Inc.**

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