

Product Information Declaration

nora[®]
by **Interface**[®]

noraplan astro ec

Document Version	V1 - December 2023
Product Class	Class 1
Category	Flooring
Product Type	Rubber flooring electrostatically conductive
Manufacturer	Interface, Inc.
Product	noraplan
Identifier	astro ec
Format/s	Thickness: 2.0 mm Sheet: 1.22 m x 12.0 m Tiles: 610 mm x 610 mm
Materials	Natural & Synthetic Rubber, Mineral Fillers & Colour Pigments
Area of use	norament 926 is suitable for dry level areas and is Commercial Very Heavy Duty Rated use class 34 and Industrial Use class 42.

Conditions of use

noraplan EC astro must be installed by a qualified trades person and in accordance with FloorNZ's Best Practice Guidelines and must be handled, installed, and maintained in strict compliance with nora's recommended procedures and instructions, including and without limitation nora's subfloor moisture and requirements and initial floor preparation procedures, all as set out in the nora Installation Guide and Cleaning and Maintenance Guide.

With Astro EC a conductive adhesive must be used.

When installing noraplan Astro ec, a copper tape (self-adhesive, approx. 10.0 mm x 0.08 mm) is fixed under the full length of each row of tiles. These tapes are connected to one another by a cross tape at the head end and then to the earthing point (responsibility of a qualified electrician).

If using noraplan on Stairs, stairs must have the appropriate stair nosing applied and Light Reflectance Values should be considered. An alternative solution is available from nora specifically for use on stairs called nora staitread.

New Zealand Building Code Compliance

Section of Code	Product Compliance															
<p>B2 Durability</p> <p>B2 3.1 Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or: (c) 5 years if: 1. the building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and 2. failure of those building elements to comply with the building code would be easily detected during normal use of the building.</p>	<p>noraplan EC Astro products have a Standard Product Warranty of 15 years.</p> <p>They are produced in accordance with ISO 9001:2015 Quality Management Systems and ISO 14001:2015 Environmental Management Systems, requirements.</p> <p>Refer to: nora 15-year Standard Product Warranty, noraplan ESD Technical Specification, noraplan ESD Installation guide, noraplan ESD Care & Maintenance documentation for further information.</p>															
<p>C3 Surface Linings</p> <p>C3.4 (b) floor surface materials in the following areas of buildings must meet the performance criteria specified below: Area of building minimum critical radiant flux when tested to ISO 9239-1: 2010.</p> <table border="1" data-bbox="81 1048 780 1872"> <thead> <tr> <th data-bbox="81 1048 325 1240">Area</th> <th data-bbox="330 1048 558 1240">Buildings not protected with an automatic fire sprinkler system</th> <th data-bbox="563 1048 780 1240">Buildings protected with an automatic fire sprinkler system</th> </tr> </thead> <tbody> <tr> <td data-bbox="81 1247 325 1435">Sleeping areas and exitways in buildings where care or detention is provided</td> <td data-bbox="330 1247 558 1435">4.5 kW/m²</td> <td data-bbox="563 1247 780 1435">2.2 kW/m²</td> </tr> <tr> <td data-bbox="81 1442 325 1541">Exitways in all other buildings</td> <td data-bbox="330 1442 558 1541">2.2 kW/m²</td> <td data-bbox="563 1442 780 1541">2.2 kW/m²</td> </tr> <tr> <td data-bbox="81 1547 325 1704">Firecells accommodating more than 50 persons</td> <td data-bbox="330 1547 558 1704">2.2 kW/m²</td> <td data-bbox="563 1547 780 1704">1.2 kW/m²</td> </tr> <tr> <td data-bbox="81 1711 325 1872">All other occupied spaces except household units</td> <td data-bbox="330 1711 558 1872">1.2 kW/m²</td> <td data-bbox="563 1711 780 1872">1.2 kW/m²</td> </tr> </tbody> </table>	Area	Buildings not protected with an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system	Sleeping areas and exitways in buildings where care or detention is provided	4.5 kW/m ²	2.2 kW/m ²	Exitways in all other buildings	2.2 kW/m ²	2.2 kW/m ²	Firecells accommodating more than 50 persons	2.2 kW/m ²	1.2 kW/m ²	All other occupied spaces except household units	1.2 kW/m ²	1.2 kW/m ²	<p>noraplan EC Astro maintain valid test reports showing Critical Radiant Flux (CRF) value over 4.5kW/m² meeting all levels of C3 requirements.</p>
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<p>D1 Access Routes</p> <p>D1.3.3 Access routes shall: (d) have adequate slip-resistant walking surfaces under all conditions of normal use.</p>	<p>noraplan EC Astro is an acceptable solution for dry and wet level areas as it has a slip resistance level of R9. Therefore, is compliant for access routes as per the D1 3.3. Refer to the noraplan Slip Reports for further information.</p>															

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<p>F2 Hazardous Building Materials</p> <p>F2.3.1 The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.</p>	<p>No components within noraplan EC Astro are considered Hazardous.</p> <p>Refer to the noraplan EC Astro Material Safety Data Sheet and VOC Report documents for further information.</p>
<p>G3 Food preparation and prevention of contamination</p> <p>G3.3.2 Spaces for food preparation and utensil washing shall have: (b) all building elements constructed with materials which are free from hazardous substances which could cause contamination to the building contents .</p> <p>G6 Airborne and Impact Sound</p> <p>G6.3.1 The Sound Transmission Class of walls, floors and ceilings, shall be no less than 55.</p> <p>G6.3.2 The Impact Insulation Class of floors shall be no less than 55.</p>	<p>G3.3.2 noraplan EC Astro inhibits bacterial growth and is Phthalate free.</p> <p>G6.3.1 & 6.3.2 noraplan EC Astro has a footfall sound absorption of 6 dB. However, test results like this are an indication only, and a field test with the subfloor and ceiling assembly still needs to be performed to ensure the IIC value of 55 is reached for each individual project application. Refer to Earcon Acoustic Report for more information.</p>
<p>Warnings & Bans</p>	<p>This product is not subject to any warnings or bans under section 26 of the Building Act 2004</p>

Supporting Documentation

For all specification, installation, care & maintenance, warranty, tests reports and other supporting documentation, refer to www.inzide.co.nz

Contact Details

Product Manufacturer

nora Solutions Inc.
www.nora.com
Manufacturing sites:

nora systems GmbH Höhnerweg 2-4 69469 Weinheim

New Zealand Supplier

Inzide Commercial Ltd.
Level 2, 34 Barry's Point Road
Takapuna, 0632
0800 800 656
www.inzide.co.nz
sales@inzide.co.nz

NZBN: 714832

Responsible Person

In accordance with regulation 8, as the responsible person, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore, to the best of my knowledge, correct.



Signed for and on the behalf of Inzide Commercial Ltd and nora Inc.

Steve Aschebrock
Managing Director,
Inzide Commercial Ltd.

10/12/2023