

# nora ED MR90

Easy-to-use, wet set, conductive, water based acrylic adhesive that has been specifically formulated for the installation of electrostatically dissipative (ESD) nora® floor coverings (2 mm – 4 mm) on absorptive substrates.

## Product Construction Specifications

Product: nora® ED MR90™, Article 6695

Material Composition: A wet set conductive water based acrylic adhesive for the installation of specific nora ed floor coverings (2 mm – 4 mm) on absorptive substrates.

Material Description/Size: 4-gallon black pail



## Performance Standards

Shelf Life:	18 Months
Application:	1/16 in x 1/16 in x 1/16 in V-notched trowel
Coverage:	~640 - 720 square feet per 4-gallon pail
Open Time:	~10 - 20 minutes
Working Time:	~35 minutes
Moisture Limit:	≤ 90% RH following ASTM F2170 <i>Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes</i>
Freeze/Thaw stable:	Stable per ASTM D7149 at 0°F (- 18°C)

## Health + Environmental Specifications

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

LEED v4: Contributes to IEQ credits

Material Composition: Free of organic solvents, formaldehyde, asbestos, lindane, rosins, phthalates, or any other volatile components

VOC Content: 29 grams/liter; product is in compliance with the South Coast (CA) Air Quality Management District Rule 1168 Standard for Rubber Floor Adhesives, which have a VOC limit of 60 grams/liter.

## 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.

Substrate Requirements: Absorptive concrete following ASTM F710 *Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring*, wood; refer to the nora Installation Instructions for details. Must have an effective vapor retarder.

Unique Characteristics:

- Excellent for heavy traffic and heavy rolling loads (no forklift traffic)
- Non-flammable and freeze/thaw stable
- If specified, hot or cold welding of flooring can commence after 12 hours
- 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

For complete installation instructions, refer to the nora Installation Instructions.

## **Copper Strip**

Product: copper strip, Art. 0990

Material Composition: An electrolytic copper foil for electrostatic dissipative and conductive flooring installations.

Coverage:

- Material #: 500131 4 LF
- Material #: 118156 33 LM (~108.68 LF)

Construction: Copper foil with rubber based hot melt adhesive

Purity: >99.8%

Strength of copper foil: 35µm

Electrical Resistance (without adhesive):  $0.017 \Omega \cdot \text{mm}^2 / \text{m}$ ;  $<0.16 \Omega \cdot \text{g}/\text{m}^2$

Working Time: 10 minutes

Storage: Room temperature and away from direct sunlight

Temperature resistance: -30°C to 80°C



## **Disclaimer**

It is the user's responsibility to read, understand and follow the nora Installation Instructions, Product Data Sheet, and Safety Data Sheet available on [www.nora.com](http://www.nora.com). You should comply with all applicable OSHA, local, state, and federal regulations.

## **Clean-up**

Immediately remove any fresh adhesive from the surface of the flooring using 70% Isopropyl Alcohol and a clean cloth. If adhesive cures to flooring surface, contact the nora Technical Department for assistance.

## **Storage**

Room temperature and away from direct sunlight.

## **Disposal**

Dispose in accordance with local, state, and federal regulations. Where possible, collect product residues and reuse. Do not allow product to get into drains, watercourses, or landfill. Collect any remaining waste material, mix both components, allow to harden, and then dispose of as Construction Waste.

## **Post-Installation Traffic**

- Light foot traffic allowed after 12 hours
- No heavy foot traffic until after 24 hours
- No wheeled traffic until after 72 hours
- Does not withstand forklift traffic

Contact the nora Technical Department for confirmation of adhesive and flooring limits.

## **Storage**

Store adhesive between 60°F and 85°F (15°C and 30°C) without freezing.

## **Warranty**

See nora Limited Warranty - Americas.

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

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