

MANUFACTURER

NANVERA Advanced Materials

PRODUCT CODE (SKU)

NR-001 — NAN-VE Rubber (Standard)

REVISION DATE

May 2026 / Rev. 02

1. Product Description

NAN-VE Rubber (NR-001) is a premium, high-performance elastomeric waterproofing coating. It provides absolute protection against water leakage and structural movement. It is designed to act as the ultimate defense shield for building foundations, wet areas, roofs, and artificial lakes.

2. Engineering Components

An advanced, eco-friendly water-based matrix relying entirely on natural rubber treated with proprietary Nano Rubber TECH. The formulation is strategically infused with a high-grade latex emulsion to provide absolute resistance against UV radiation, preventing any photo-oxidation, chalking, or polymer degradation over time.

4. Application Instructions

A. Surface Preparation: The substrate must be mechanically cleaned and made entirely free of dust, oils, grease, and loose particles. For maximum adhesion, diluting NAN-VE Rubber with 100% water as a penetrating primer coat is strongly recommended, to form "nano-roots" within the concrete pores.

B. Coverage Rate: Estimated consumption ranges from 0.30 to 0.50 kg/m², depending on surface porosity and required thickness.

5. Packaging & Storage

Packaging: Available in 20 L buckets and 10 L canisters.

Storage: Store in original, unopened containers in a dry, cool place away from direct sunlight. Protect from freezing. Shelf life is 12 months from the production date.

Technical & Physical Properties

Property	Value	Test Method
Color	Dark Beige	Visual
Density	1.18 g/cm3	ASTM D1475
Solid Content	71.98%	ASTM D1644
Volatile Content	28.02% (Water-based)	EPA Method 24
Viscosity (@25°C)	664 Centipoise	ASTM D2196

Property	Value	Test Method
Elongation	≤1400%	ASTM D412
Tensile Strength	5.7 MPa	ASTM D412
Adhesion to Concrete	1.6 MPa	ASTM D4541
Shore A Hardness	64	ASTM D2240
Water Permeability	Class W3 (Absolute resistance)	EN 1062-3
UV Resistance	Passed (312nm / 300 hrs - No cracking or chalking)	ASTM D4587
Touch Dry	45 minutes	ASTM D1640
Hard Dry	120 minutes	ASTM D1640
Thermal Resistance	Passed (@60°C, 48 hrs)	HBRC Standard

Legal Disclaimer

The data provided is based on extensive laboratory testing and field experience. Since application conditions are beyond the manufacturer's control, the manufacturer guarantees only the consistent quality of the product itself.