

COMPANY	PRODUCT CODE (SKU)	ISSUE DATE / REVISION
NANVERA Advanced Materials	AD-024 — NAN-VE Cement (Nano R-Cement)	May 2026 / Rev. 03

1. Product Description

NAN-VE Cement is a highly concentrated liquid additive designed for concrete, cement, and mortar mixes. It enhances concrete performance, significantly reduces water permeability, and increases resistance to abrasion and friction. In addition, it accelerates drying time in cold weather and is highly effective in addressing honeycombing defects in concrete.

2. Engineering Components

The formulation is based on an advanced water-dispersion liquid that relies entirely on natural rubber processed using the proprietary Nano Rubber TECH technology. This composition acts as a built-in waterproofing agent and structural binder within the concrete matrix.

4. Application Instructions & Dosage

- A. For plaster and finishing mixes: add NAN-VE Cement at 2% of cement weight. (Example: for every 100 kg of cement, add 2 kg of NAN-VE Cement). Mix the product thoroughly with the gauging water before adding it to the dry mix.
- B. For concrete mixes: add NAN-VE Cement at 3% of cement weight. (Example: for every 100 kg of cement, add 3 kg of NAN-VE Cement).
- C. For repair and bonding work: it can be diluted with water and used as a spatter dash or a preparatory priming coat applied before pouring new concrete or applying mortar, to ensure extremely high adhesion strength.

5. Packaging & Storage

Packaging: available in 15 kg buckets and 5 kg jerrycans.

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

Technical & Physical Properties

Property	Value	Test Method
State	Liquid	Visual
Color	White (Off-White)	Visual
Density	1.20±0.05 g/cm3 (at 25°C)	Laboratory
Solid Content	72%±1%	Laboratory

Property	Value	Test Method
Solubility	Miscible with water	By formulation
Quality Standards	Meets high-performance specifications	ASTM C1059, C496, C78, C779, DIN 1048 / EN 12390-8, ASTM C1042

6. Legal Disclaimer

The data provided is based on extensive laboratory testing and field experience. In case of discrepancy between language versions of this document, the English (UK) version shall prevail.