

MANUFACTURER

NANVERA Advanced Materials

PRODUCT CODE (SKU)

KC-016 — NAN-VE Sealer

REVISION DATE

September 2026 / Rev. 01

1. Product Description and Primary Use

NAN-VE Sealer is a clear, water-based sealer-primer designed to clean and open the pores of cementitious and gypsum substrates, strengthening them and protecting them from moisture beneath finishing coats and fillers.

Also used over finished coatings to enhance their protection; tintable on request.

2. Chemical Base and Composition

Natural rubber modified with Nano Rubber TECH technology, water-based.

4. Application Method and Consumption Rate

Surface Preparation: Apply to a dry, clean surface free of grease and dust. For metals, apply directly after sanding/sandblasting, without a primer.

Tools: Brush, roller, or air spray. Dilution: not required.

Recommended System: Two perpendicular coats with a total thickness of at least 100 µm (WFT).

5. Packaging, Storage, and Shelf Life

Packaging: 5 kg buckets.

Storage: Store in a dry place, away from sunlight, at room temperature, with the container tightly closed.

Shelf life: 12 months from the date of manufacture.

6. Safety Data (HSE)

Classification: Non-toxic, eco-friendly, non-flammable in the liquid (water-based) state.

PPE: Gloves, safety goggles, respirator/mask when spraying; ensure good ventilation.

7. Standards and Test Methods

ASTM D412, ASTM D2370, ASTM D5149, ASTM D4587, EN 1062-3.

3. Technical and Physical Properties

Property	Value	Test Method
Color	Transparent (tintable)	Visual
Gloss	Glossy	Visual
Density	1.1 g/cm ³	ASTM D1475*

Property	Value	Test Method
Solids Content	69%	ASTM D1644*
Volatile Content	31%	EPA Method 24*
Dry Film from Wet Film (DFT/WFT)	≈ 60%	Calculated*
Adhesion to Concrete	2.4 MPa (B5)	ASTM D4541*
Thermal Resistance	Up to 160°C	Internal method*
Chemical Resistance	Resistant to 10% acids and 20% alkalis	Internal method*
UV Resistance	Passed (312 nm / 300 h)	ASTM D4587*
Resistance to Bacteria and Carbonation	Passed	Internal method*
Dust-Free Drying Time	30 minutes (at 25°C)	ASTM D1640*
Hard Dry Time	90 minutes (at 25°C)	ASTM D1640*
Full Cure	≥ 24 hours	ASTM D1640*
Theoretical Spreading Rate	14 m ² /kg at WFT 100 µm	Calculated*

8. Engineering Note

Engineering Note: The values in this document are based on data from the family of similar products (KL/KC) and represent a sound engineering estimate where a direct test protocol for this specific SKU is not available. Batch confirmation is required before use as official laboratory data in documents distributed to contractors.