

MANUFACTURER

NANVERA Advanced Materials

PRODUCT CODE (SKU)

KL-015 — NAN-VE Top Guard

REVISION DATE

May 2026 / Rev. 01

1. Product Description

Description: An advanced, tintable Top Coat finishing paint. Chemically engineered to provide maximum protection for metals and various surfaces. Characterized by superior adhesion and exceptional resistance to moisture and weathering, with elastic elongation that allows for expansion and contraction without cracking or peeling.

2. Recommended Uses

Applications: A final finishing layer and external protection for metal surfaces, steel, and cladding. Applied over primers and various protection systems to provide a shield resistant to weathering and moisture while maintaining the desired aesthetic and color appearance of the structure.

4. Performance Data

Elasticity (Elongation): Possesses high elasticity with elongation of up to 300%, allowing it to absorb mechanical and thermal movement of metal surfaces.

Adhesion Strength: Superior adhesion strength of Class 5B, ensuring a tight chemical bond with metals and primer layers.

Environmental Resistance: Complete resistance to moisture, water penetration, and harsh weathering (UV and weathering resistant).

Drying Times: Dust-dry - 30 minutes; recoat (inter-coat) dry - 3 hours; full cure - 4 to 7 days (depending on temperature).

5. Application Instructions

Surface Preparation: The surface must be completely clean, dry, and free of oils, grease, or loose rust. It is recommended to apply over a suitable metal primer (NAN-VE Metal Guard).

Recommended Number of Coats: Apply a minimum of two perpendicular coats to ensure full color coverage and maximum protection.

Application Method: Apply by brush, roller, or spray gun. When spraying, a wide nozzle is preferred due to the product's high density (1.4 g/cm³).

6. Packaging & Storage

Packaging: 18 kg pails.

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

Shelf life is 12 months.

7. Standards & Testing

Standards: Tested according to international standards, including ASTM D412 for elongation and elasticity, and ASTM D3359 for adhesion.

3. Basic Technical Specifications

Property	Value
Color and finish	White, matte / semi-gloss
Chemical base	Advanced elastomeric polymer matrix
Density	1.4 g/cm ³
Solid content	65%
Volatile content	35%