

COMPANY	PRODUCT CODE (SKU)	REVISION DATE
NANVERA Advanced Materials	NS-021 — NAN-VE Silicon-M150	May 2026 / Rev. 01

1. Product Description

Description: A premium engineering blend of nano-rubber putty and medium-roughness quartz granules (150–300 microns). Functions as a waterproofing and decorative forming putty, producing a natural textured “sandy beach” relief appearance. The optimal medium for creating textured (raised and recessed) effects on facades and water features.

2. Recommended Uses

Applications: Finishing of swimming pools and artificial water bodies, waterproofing and shaping of facades and decorative works. Ideal for achieving “Swahili” effects, stone-like forms, and raised marble textures. Used as an elastomeric protective layer that allows interior decorative paints to withstand harsh exterior weathering without cracking or thermal-expansion issues. Can also be used for joint filling and crack repair.

4. Application Instructions

- A. Surface Preparation: Apply to a clean, dry surface free of grease/oils. For metals, apply immediately after sanding/blasting (no primer required).
- B. Application Method: Apply with a spatula; can be shaped with decorative tools (sponge roller, trowel) to create relief, sand-effect, and “Swahili” finishes.
- C. Coverage Rate: 5 m²/kg at a wet film thickness (WFT) of 200 microns.

5. Packaging & Storage

Packaging: Available in 15 kg buckets.

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

6. Standards and Tests

Standards: Tested in accordance with international standards for coatings and putties: ASTM D1644, D1475, D2196, D1640, D870, D2247, D3359, D412, D4587.

3. Technical & Physical Properties

Property	Value	Test Method
Color	Off-White, medium roughness	Visual
Density	1.19 g/cm ³	ASTM D1475

Property	Value	Test Method
Solids Content	61.22%	ASTM D1644
Volatile Content	38.78% (water-based)	EPA Method 24
Elongation at Break	≤ 900%	ASTM D412
Adhesion to Concrete	2.4 MPa (B5)	ASTM D4541
Water Permeability	Class W3 (absolute resistance)	EN 1062-3
UV Resistance	Passed (312 nm / 300 h – no cracking or chalking)	ASTM D4587
Dust-Free Drying Time	50 minutes	ASTM D1640
Hard-Dry Time	120 minutes	ASTM D1640
Full Cure	48 hours	ASTM D1640

7. 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.