

MANUFACTURER	PRODUCT CODE (SKU)	REVISION DATE
NANVERA Advanced Materials	NR-005 — NAN-VE PT Rubber (Putty Rubber)	May 2026 / Rev. 05

1. Product Description

A tintable adhesive, primer, and waterproofing putty. Used for bonding all types of tile, ceramic, and marble, as well as for joint filling and grouting. Thanks to its high elasticity and adhesion, it prevents delamination of finishing materials caused by moisture, sunlight, and temperature fluctuations.

2. Recommended Uses

Bonding and insulation of tile and marble, waterproofing of foundational structures, infrastructure, and water bodies. Coating of metal and wood surfaces, marine applications. Electrical, acoustic, and thermal insulation (at a thickness of 4000 microns).

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 putty knife (spatula) in two perpendicular layers to all surfaces at a minimum thickness of 200 microns.
- 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 is 12 months from date of manufacture.

3. Basic Technical & Physical Properties

Property	Value	Test Method
Color	Matt White / Off-White	Visual
Density	1.19 g/cm3	ASTM D1475
Solid 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

Property	Value	Test Method
UV Resistance	Passed (312nm / 300h - no cracking or chalking)	ASTM D4587
Dust-Free Time	50 minutes	ASTM D1640
Hard Dry Time	120 minutes	ASTM D1640
Full Cure	48 hours	ASTM D1640

6. 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.