

MANUFACTURER

NANVERA Advanced Materials

PRODUCT CODE (SKU)

KC-015 — NAN-VE Thermal CT

REVISION DATE

June 2026 / Rev. 02

1. Product Description

Technical Description: An advanced liquid primer designed to penetrate surface pores, forming a structural bonding layer that acts as a thermal shock diffuser.

Mechanism of Action: Based on 'nano-root' nanotechnology that penetrates the surface (concrete/wood) to unify pores and dissipate thermal stress before it reaches a point of concentration, providing exceptional adhesion for subsequent functional layers.

Classification: CSI MasterFormat 099000 (Paints & Coatings); OmniClass (BIM) Classification: 21-03201070; UNSPSC Code: 31211500.

2. Engineering Components / Recommended Uses

Fire Protection (System A): Used as a mandatory primer and penetrating bonding layer on walls and wood before applying the fire-resistant lining (NAN-VE FireProof), ensuring no thermal delamination occurs.

Thermo-Rubber Armor Reinforcement System: Applied as a primary bonding layer on the surface, into which fiberglass mesh is embedded, followed by a further coat of the same material to saturate and fully embed the fabric.

4. Application Instructions

Theoretical Coverage Rate: 10-14 m²/kg at 100 micron thickness (WFT). Surface drying time: 30 minutes. Apply by brush, roller, or spray gun; ready to use, preferably undiluted.

5. Packaging & Storage

Toxicity and Flammability: Water-based, non-toxic, non-flammable in liquid state.

Packaging: 5 kg containers. Store in a dry, sealed place. Shelf life: 12 months.

Technical & Physical Properties

Property	Value
Color	Transparent
Density	1.1 g/l
Solid Content	69%
VOC Content	31%
Adhesion Strength	2.4 MPa

6. Legal Disclaimer

Manufactured by KEMT CASTELLO for NANVERA.