

MANUFACTURER

NANVERA Advanced Materials

PRODUCT CODE (SKU)

KL-013 — NAN-VE FireProof

REVISION DATE

May 2026 / Rev. 02

Classification Codes

UNSPSC Code: 31211500.

CSI MasterFormat Classification: 099646.

OmniClass Classification: 23.13.25.11.15.17.

1. Identification

Product Use: A water-based dispersion lining coating that acts as a thermal barrier to protect structural elements.

Manufacturer: KEMT CASTELLO factory for NANVERA.

2. Hazard Identification

General Classification: A safe, non-toxic, environmentally friendly product.

Thermal Hazards: Non-flammable in liquid state (water-based).

3. Composition / Information on Ingredients

Chemical Base: A water-based polymer network reinforced with nanotechnology and rubber, forming a carbon shield.

Solid Content: 59%.

VOC Content: Ultra-low (<10 g/L).

4. First-Aid Measures

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: Rinse abundantly with running water; seek medical attention immediately if irritation persists.

Inhalation: Move the affected person to fresh air.

5. Fire-Fighting Measures

Flash Point: Non-flammable.

Fire Behavior: Engineering note: the material is non-intumescent (Non-Intumescent). It forms a stable, heat-dissipating carbon barrier layer that is self-extinguishing once the flame source is removed.

6. Accidental Release Measures

Cleanup Methods: Absorb the spill with an inert material (sand, earth) and collect it into sealed containers. Prevent uncured material from entering drains.

Personal Precautions: Use PPE (gloves, goggles). Avoid slipping on wet spills.

7. Handling and Storage

Handling: Use in well-ventilated areas; mix mechanically before application.

Storage: Store in a dry, cool place.

8. Exposure Controls / Personal Protection

Engineering Controls: Ensure good ambient ventilation during spraying.

PPE: Safety goggles, gloves, and respiratory masks when spraying indoors.

10. Stability and Reactivity

Chemical Stability: Fully chemically stable under recommended storage conditions.

Hazardous Reactions: None.

11–12. Toxicological and Ecological Information

Toxicological Data: Non-toxic product.

Ecological Assessment: Classified as a sustainable, environmentally friendly product.

13. Disposal Considerations

Disposal: Cured material is treated as standard construction waste.

14–16. Transport, Regulatory Information

Transport: Not regulated as dangerous goods.

Compliance: Not restricted or classified as hazardous under land, sea, and air transport regulations (ADR, IMDG, IATA).

9. Physical and Chemical Properties

Property	Value
Appearance	White liquid
Density	1.12 g/cm ³