

MANUFACTURER

NANVERA Advanced Materials

PRODUCT CODE (SKU)

HX-007 — HX Sealant

REVISION DATE

May 2026 / Rev. 02

Section 1: Identification of Product and Company

Product type: Ultra-hard, elastic hybrid polymer putty-sealant reinforced with Nano Rubber TECH.
Recommended use: Filling and sealing expansion/structural joints, deep cracks, surface levelling.
Manufacturer: KEMT CASTELLO plant (KEMVI Trading & Contracting) for NANVERA, Cairo, Egypt.

Section 2: Hazards Identification

Classification: Eco-friendly, non-toxic product, extremely low VOC content (Zero-VOC, water-based).
Flammability: Non-flammable in its liquid/wet state.
Physical hazards: Contact of uncured material with eyes or prolonged skin contact may cause mild mechanical irritation.

Section 3: Composition / Information on Ingredients

Chemical base: Hybrid polymer resin reinforced with Nano Rubber TECH.
Component system: Two-component system (A: Putty / Component B: Hardener 1-2%).
Solids content: 61.2% - 69%.
Density: 1.40 - 1.50 g/cm³.

Section 4: First-Aid Measures

Eye contact: Immediately rinse with clean running water for 15 minutes, holding the eyelids open; seek medical attention if irritation persists.
Skin contact: Immediately wash the affected area with soap and water before the putty cures.
Inhalation: Move the affected person to fresh air (product does not release harmful solvent vapors).
Ingestion: Do not induce vomiting. Rinse the mouth thoroughly with water and seek immediate medical advice.

Section 5: Fire-Fighting Measures

Flammability: Non-flammable, water-based hybrid product.
Extinguishing media: Water spray, CO₂, foam or dry chemical powder for surrounding fires.
Combustion hazard: In a strong surrounding fire, thermal decomposition may release carbon oxides and inert polymer residues.

Section 6: Accidental Release Measures

Clean-up methods: Scrape spilled material with a trowel or scraper and collect it in closed containers for disposal. Do not sweep or discharge uncured material into drains.
Personal precautions: Use chemically resistant gloves and safety goggles to avoid skin and eye contact.

Section 7: Handling and Storage

Handling: Thoroughly mix the hardener (Component B) with the putty (Component A) at a ratio of 1-2% by weight before application. Ensure proper ventilation.

Storage: Store in a cool, dry, well-ventilated place away from direct sunlight and heat sources. Containers must be kept tightly closed at +5°C to +35°C.

Section 8: Exposure Controls / Personal Protection

Engineering controls: Provide good natural or mechanical ventilation in the work area.

PPE: Rubber/chemically resistant gloves, safety goggles, suitable work clothing.

Section 9: Physical and Chemical Properties

Physical state: Thick, non-sag paste.

Color: Off-White / Gray (yellowish-white tint).

Density: 1.40 - 1.50 g/cm³.

Solids content: 61.2% - 69%.

VOC content: 0% / free of harmful solvents.

Shrinkage: None (zero shrinkage after curing).

Section 10: Stability and Reactivity

Chemical stability: Fully stable under standard use and storage conditions.

Hazardous reactions: None identified. Cures only upon addition of the corresponding hardener and reaction with moisture.

Incompatible materials: Concentrated strong acids and aggressive organic solvents prior to curing.

Section 11: Toxicological Information

Acute toxicity: Non-toxic product.

Local effects: Direct contact of uncured material with sensitive skin or eyes may cause mild local irritation.

Section 12: Ecological Information

Ecotoxicity: Eco-friendly product, free of solvents and phthalates. Fully safe for use in drinking-water facilities, swimming pools and lakes once fully cured.

Section 13: Disposal Considerations

Disposal method: Fully cured material is disposed of as standard non-hazardous construction waste. Do not discharge uncured material into drains or waterways.

Section 14: Transport Information

Transport status: Not regulated as dangerous goods under ADR (road), IMDG (sea) or IATA (air).

Section 15: Regulatory Information

Compliance: Complies with Egyptian and international standards for non-toxic joint sealants and elastomeric waterproofing compounds (ASTM D412, ASTM D4541, EN 1062-3 and equivalents).

Section 16: Other Information / Legal Disclaimer

This MSDS has been prepared based on certified laboratory testing and practical experience. The manufacturer, KEMT CASTELLO, warrants only the standard quality and chemical compliance of the supplied material, as the conditions of joint preparation and on-site application are outside its direct control.

Revision date: May 2026 / Rev. 02