JEET CHEMICAL

THERMAL CONDUCTIVE PASTE

"Cooler Alternative to Soldering"

- No Soldering / No Torch
- Fast Application
- Strong & Durable Bond
- Excellent Cooling Efficiency
- Zero Corrosion, Long Life

High-Performance Thermal Interface Material

Copper Coolant Pipe → Deep Freezer Wall Bonding

–80°C	+120°C	40 min
Min Temp	Max Temp	Initial Set

Deep Freezer / Cooling Appliance Wall

Thermal Conductive Paste Layer

Copper Coolant Pipe

Base: Inorganic Silicon Oxide Compound

WHY THERMAL CONDUCTIVE PASTE? — THE PROBLEM IT SOLVES

✗ WITHOUT Thermal Conductive Paste

- Soldering - risky and technician required
- Air gaps between pipe & wall trap heat
- Poor heat transfer → compressor overload
- Uneven & inefficient cooling performance
- Higher electricity consumption & costs
- Premature copper coil corrosion & failure
- Difficult process and expensive

→

✓ WITH Thermal Conductive Paste

- No soldering — safe to use and no technician required
- Gap-free bond — maximum contact surface
- Excellent cooling transfer through coolant pipe
- Consistent, stable cooling performance
- Lower energy bills — use smaller compressor
- High-grip bond, zero corrosion for longevity
- Easy process and total cost decreases by more than 50%

KEY BENEFITS

No Soldering Required

Solder-free, torch-free bonding. Any technician can apply it — no specialist tools or certification needed.

Fast — 40 Min Initial Set

Quick-setting formula. Full cure in 24 hrs. Dramatically cuts equipment downtime at installation.

High Gripping Strength

Stronger than solder. Resists vibration, moisture and refrigerant vapour across thousands of thermal cycles.

Superior Cooling Efficiency

Fills every micro-gap that traps heat. Maximises copper-to-wall contact for optimal heat exchange.

–80°C to +120°C Range

Tested in Deep Freezer cooling and furnace hardness tests. Works across all refrigeration and industrial settings.

Zero Corrosion, Long Life

Inorganic silicon-oxide base. Non-corrosive, RoHS compliant. Protects copper coils for extended service.

Inorganic Silicon Oxide Compound | Mix Ratio 5:1 (Paste : ISO) | 2-Year Shelf Life | RoHS Compliant

WHERE IT IS USED

Deep Freezers & Freezers

Glycol deep freezers, FOW (Freezer on Wheel) deep freezers, stability chamber, lab & medical deep freezer, BOD & bacteriological incubator, dead body chamber

Ice Cream Machines

Tawa ice cream, hardener machine, cooling stone machines — direct coil to stone bonding without soldering

Water, Milk & Bulk Coolers

Water coolers, bulk milk coolers, dairy industry cooling — better efficiency, no solder

Commercial Display Coolers

Visi cooler, glass-top counter, wine table freezer — leakage-proof frame & partition sealing

AC & Chiller Systems

Air conditioner coils, chiller units — avoids brazing, leakage-proof AC coil sealing

Lab, Industrial & OEM

Vacuum oven, autoclave, AHU insulation,

HOW TO APPLY | TECHNICAL SPECIFICATIONS

1

Clean Surfaces

Remove all grease, dust and old adhesive with isopropyl alcohol (thinner). Surfaces must be fully dry before application.

2

Mix 5 : 1 Ratio

Combine 200 gm Paste + 40 gm ISO (MDI). Mix thoroughly until a smooth, uniform consistency is achieved.

3

Apply & Press Firmly

Ensure proper alignment while maintaining maximum contact with the cabinet body. Apply solder spots if required. Spread an even 1–2 mm layer over the copper pipe.

4

Cure — 40 Min Set

Initial setting time: 40 minutes. Puff can be applied after 20 minutes. A fast-setting variant (20-minute setting time) is also available, allowing puff application after 10 minutes. Full curing is achieved within 24 hours in both the cases.

Precautions : Store in cool dry place, container tightly closed to avoid moisture and water contact.

PRODUCT SPECIFICATIONS

Base Material	Inorganic Silicon Oxide
Tensile Strength	34 - 48 Mpa (5000 - 7000 PSI)
Shear Strength	20 - 25 Mpa (2900 - 3600 PSI)
Viscosity	2,01,000–2,27,000 mPa-s
Compliance	RoHS Compliant
Hardener	75 - 80 Shore D (7,000–12,000 PSI)
Thermal Conductivity	50/300 W/m-K
Shelf Life	2 Years from Mfg Date

Scan to Watch Application Videos

PHOTO GALLERY











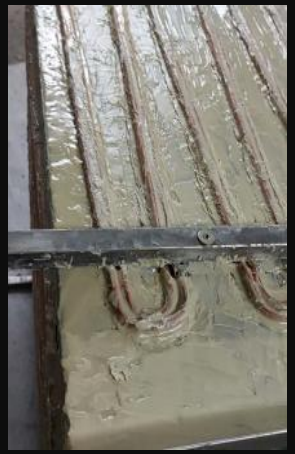

MATERIAL SAFETY DATA SHEET (MSDS) & CORROSION TEST CERTIFICATE

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AVAILABLE PACK SIZES

5 Kg	20 Kg	50 Kg	100 Kg

GSTIN: 27AMMPM0914B1ZD

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