

NANOMYTE® MEND 2000 is a room temperature, self-healing coating. The 2-part coating involves a unique phase-separated morphology that facilitates the delivery of the self-healing agent to the damage site (such as a scratch or crack) thereby restoring the coating appearance & function.

## PHYSICAL CHARACTERISTICS

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<b>Composition:</b>	2k polyurethane with proprietary additives
<b>Color:</b>	Clear, colorless
<b>Gloss (20°/60°):</b>	88 GU/ 92 GU
<b>Pot Life:</b>	> 3 hours
<b>Viscosity:</b>	Not available
<b>Curing Temperature:</b>	35°C (minimum)
<b>Solvent:</b>	Toluene
<b>Catalyst:</b>	Tin
<b>Mixing Ratio by Mass (A:B):</b>	1:1
<b>Solids Content:</b>	33 – 36%

## APPLICATION INSTRUCTIONS

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1. Combine 1 part (by mass) of Part A with 1 part of Part B
  2. Mix thoroughly until homogeneous and apply promptly (preferably within 2 hours)
  3. Once applied, transfer coated part to preheated oven within 5 minutes
  4. Recommended curing schedule: 80°C for 15 minutes, followed by 120°C for 1 hour

## APPLICATION NOTES

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- Self-healing is initiated at room temperature and is accelerated at higher temperatures (> 40°C)
  - Healing response is faster at temperatures of 35°C and greater
  - Avoid extended exposure to temperatures in excess of 140°C
  - Depending on film thickness and curing conditions, hardness may continue to develop over a period of days to weeks

## STORAGE & HANDLING

### Precautions for Safe Handling

Appropriate personal protective equipment should be used at all times. Provide good ventilation or extraction. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated breathing of vapor. Wash hands thoroughly after handling. Keep away from heat, sparks, flames, and other sources of ignition.

### Conditions for Safe Storage

**PART A:** Avoid contamination with incompatible materials. Keep away from heat, sparks, flames and other sources of ignition. Residual vapors might explode on ignition. Do not apply heat, cut, drill, and grind or weld on or near this container.

**PART B:** Keep container tightly sealed. Store at room temperature in a dry place. Keep away from sources of ignition. Protect from cold temperatures (< 60°F). Gelation as a result of low temperature exposure may be reversed by warming to ~100°F for several hours. Purge container with dry, inert gas after use.

**Refer to SDS for complete information on the safe handling of this product.**

## ADDITIONAL INFORMATION

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