



TECHNICAL DATA SHEET

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MN-743 Clear Masking Compound

PRODUCT TYPE

PRODUCT DESCRIPTION

MN-743 is a polymer resin, which prevents adhesion of Dolph's solventless resins. It is designed to coat on metal substrates and mask these surfaces from adhesion of solventless polyesters and compounds.

TYPICAL APPLICATIONS INCLUDE:

- Prefinished commutators and slip rings.
- Stator housings and end bell flanges.
- Armature shafts and bearing surfaces.
- Terminals and bus bars.
- Transformer mounts and ground straps.
- Gears and screw threads.
- Name plates

FEATURES & BENEFITS

- Excellent release properties-prevents resins from adhering to part.
- Minimal buildups on substrate- no clean up required in most cases.
- Dries at low temperature.
- No contamination of varnish
- High thermal stability.

TYPICAL PROPERTIES

Physical

Color/Appearance	Clear
Weight per Gallon	6.3
Viscosity, Brookfield @ 77°F, cps	10-50
Air Drying Time	@ 200°F @ room temperature
	2-5 minutes 15-45 minutes
Flash Point, ASTM D-56,	88°F

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APPLICATION GUIDELINES

Preparing the Unit:

The surface to be treated must be clean and dry. All traces of prior release agents or protective coatings must be removed. If possible, warm the surface to approximately 50°C (122°F) to drive off any moisture entrapped on the surface prior to application of MN-743.

Application:

MN-743 may be applied by brush or by dipping. A thin coating is sufficient for adequate protection. After coating, MN-743 is cured using a short bake cycle or is air-dried (**not recommended for solventless varnishes**).

When MN-743 is used on electrical terminals, typically, there is no need to remove this masking compound after varnish treatment. The electrical contact is easily resumed when inserting the spade connection into the terminals. If small quantities of resin adhere to the MN-743 coated substrate, they are easily removed with a sharpened hardwood stick or a soft copper rod.

EQUIPMENT RECOMMENDATIONS AND PRECAUTIONS

- Do not use synthetic bristle brushes, other than suggested, to apply MN-743. The bristles may dissolve in the solvents.
- When brushing, take care not to spill any MN-743 on the areas requiring varnish. Due to the low viscosity and clear color of MN-743, the application method must be carefully selected.

STORAGE AND SHELF LIFE

Shelf life is 12 months from date of shipment from our plant, keep containers tightly closed. Contents are moisture sensitive. Store at 70°F/21°C or below.

1. Store in cool, dry place at 70°F/21°C or below.
2. Protect from direct sunlight and sources of heat
3. Keep away from heat, sparks and open flame.

SAFETY AND ENVIRONMENT

Avoid contact with skin and eyes. See Material Safety Data Sheet

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