

4226A Aerosol



Acrylic Conformal Coating

4226A is a highly insulating coating with excellent arc and corona resistance. This clear, low viscosity varnish coating is easy to use and adheres well to many substrates.

This product insulates transformers, coils, motor windings, and various electric generator parts against arc and corona. As well, it protects these parts from corrosion and moisture.

Features & Benefits

Material Group I (CTI \geq 600 V, PLC=0)

Excellent finish—gives a transparent coat that's tough, flexible, durable and glossy

Good adhesion

Resistant to transformer oil and moisture

Low VOC and HAP-free

Does not contain toluene, xylene and MEK



Cure Instructions

Allow to dry at room temperature for 8 hours, or after letting sit for 10 minutes, cure the coating in an oven at one of these time/temperature options:

Temperature 80 °C

Time 2 h

Available Packaging

Part #	Packaging	Net Vol.	Net Wt.
4226A-340G	Aerosol	426 mL	340 g

Storage and Handling

Store between -5 and 25 °C in a dry area, away from sunlight (see SDS).

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Liquid Properties

Binder System	Acrylic	—
Dry Time to Handle	10 min (1 coat)	—
Recoat Time	5 min	—
Recommended Film Thickness	12–24 µm	—
Density	0.9 g/mL	ASTM D1475
Percent Solids	27%	—
Theoretical Coverage @ 25 µm	6 700 cm ²	Calculated
Calculated VOC	750 g/L	—
Shelf Life	5 y	—

Cured Properties

Color	Clear, amber	—
Breakdown Voltage	620 V	ASTM D149
Dielectric Strength	1 240 V/mil	—
Comparative Tracking Index (CTI)	600 V	ASTM D3638
Service Temperature Range	-30–180 °C	—

Application Instructions

Read the product SDS before using this product (downloadable at www.mgchemicals.com).

Recommended Preparation

Clean the substrate with MG #824 99.9% Isopropyl Alcohol, so the surface is free of oils, dust, and other residues.

Recommended Thinner

When thinning is required, use MG #4352 Thinner 2.

Spray

1. Shake the can vigorously.
2. Spray a test pattern to ensure good flow quality.
3. Tilt the board at 45° and spray a thin, even coat from a distance of 20–25 cm (8–10 in). Use spray-and-release strokes with an even motion to avoid paint buildup in one spot. Start and end each stroke off the surface.
4. Wait 3 min before applying another coat, to avoid trapping solvent.
5. Rotate the board 90° and spray again to ensure good coverage.
6. Apply additional coats until desired thickness is achieved (go to step 3).
7. Let dry 5 min at room temperature before applying heat cure.
8. After use, clear the nozzle by inverting the can and briefly spraying until clear propellant comes out.

Disclaimer: This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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