

### PLATABLE SILVER EPOXY COATING

#### DESCRIPTION

CHO-SHIELD® 576 coating is a two component, silver-filled, highly conductive epoxy paint designed to provide EMI shielding when applied to a dielectric plastic substrate. This coating was specifically developed as a variant of CHO-SHIELD 596.

CHO-SHIELD 576 dries to the touch in less than 1 hour at room temperature and attains full chemical resistance after 1 week at room temperature. However, the best electrical properties are achieved by curing at elevated temperatures.



#### PERFORMANCE

CHO-SHIELD 576 is first sprayed onto a plastic substrate, and further plating operations may follow. The full stack up of plating and coating will meet strict adhesion requirements, equivalent to ASTM D3359 with a rating of 5A after exposure to 95% RH at 65°C for 24 hours and thermal cycling from one hour at -57°C to one hour at 95°C for a total of four cycles.

Table 1 – Typical Properties

Nominal Specific Gravity	1.80
Volume Resistivity*	0.06 ohm/sq.
Spray Viscosity (No. 2 Zahn Cup)	15 seconds
Pot Life at 24°C (75°F)	8 hours
Shelf Life at 24°C (7°F)	9 months

(\* Based on a 1 hour room temperature drying period followed by 1 hour at 250°F (121°C) cure.

#### ORDERING INFORMATION

Product	Part Number	Unit Size
CHO-SHIELD® 576	52-01-0576-0000-5	5 of 1 lb. (454 g)