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עוסק מורשה מס' 51-269715-2

**09/08/2018**

# EPS-1130 Conductive.

**PN: EPS-1130.35**

**EPS-Conductive** is silver conductive coating solvent two-component epoxy.
The most popular uses for these coatings is EMI/RFI shielding, Anti-static protection or to make electrical connections to non-solder able surfaces.
It provides effective shielding (EMI) at less than 1.0 mil (25 microns) dry film thickness. The dried conductive film is extremely hard, tough and durable.(No loose particles)
Based on epoxy resin, can be cure at room temperature or by exposure of heat 80º C.
It's designed for extremely adhesion for several of substrates and good chemical resistant.

**Product Benefits:**

- Percent Solids is about 70% by weight
- A nominal dry film thickness of 40 micron recommended.
- Theoretical coverage: 6 sq./met per liter.
- Theoretical weight : 114g/sq.met
- Drying time: 30-60 minutes. Full Drying time: 48 hours.
- Allow coating to dry 20-40 minutes, between coats.
- Surface Resistance (coating) is less than 0.003-Ohm/cm .
- Color: lite gray metallic.
- Shelf life: 12 months.
- Test adhesion **ASTM D-3359-97 X cut.**
- REACH and RoHS compliant.
- No change after 7 days expose 90º C

Suitability on various substrates
Brass, FR4, PC, ABS, PVC, steel and aluminum.

## Curing Properties.

This product is a two-component epoxy paint. The paint can be cured at room temperature or thermally under exposure to heat after mixing the two components in the ratio indicated.

**Mixing ratio:** **Weight:** EPS 1130 10:6 Hardener
**Volume**: EPS 1130 1:1 Hardener

**Part A**: can (1 liter) EP-1130.35-1
**Part B**: can (1 liter) H-1130.35-1

**Recommended Application:**

**Before use:**

1) Part A must be mix well in shaker machine 5 min at least!! Until all material is homorganic and no more mark of agglomeration!!!
2) Part B should be mix well

**Application:**

The substrate surface should be clean, dry and free of oils, dirt and lint.

1) No dilution is allow.
2) Mix Part A and part B 1:1 by volume or 10:6 by weight.
3) Material must be keep homorganic during application.
4) When you spray the paint surface needs to look wet and not floury.

**Top Coat assembly instruction:**

Base on lab test: (Carmel b.k. Engineering LTD)

Dry method option:

1) Topcoat must be applied "wet on wet" - no more than 1 hour between the conductive layer and topcoat.
2) Conductive layer must to force heat 60ºC 4 hours and let down 24 hours or 90ºC 2 hours and let down for 24 hours.
3) Conductive layer must let down room temperature (22 ºC) for 5 days.

The above instruction are MUST for achieving the desired conductive layer spec and must be follow.

## Note: Each topcoat paint must be checked before delivery.

**Comments:**

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safely and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and M.S.D information. **Keep out from children and fire.**