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Number 35

APPLICATION NOTE

Post-application Color Tinting (discoloration) of Stabilant Films

- *What causes color-tinting of Stabilant films on contacts?*

Some customers have commented that when **Stabilants** are used on some contacts, they acquire a pale-colored tint (ranging from indigo through green). and they have expressed concern over this phenomenon.

It occurs primarily because of minute amounts of corrosion being present either on the surface of the connector material, in locations where there are pinholes in the precious-metal plating that is often employed, or at the non-plated and therefore unprotected contact-edges of card-edge male contacts. The application of the **Stabilant** lifts and dilutes these trace corrosion products producing the visible color change. Many metal oxides or corrosion complexes are often highly colored as witness their use in artist's pigments and a very minute amount can easily result in a tinting of the otherwise colorless **Stabilant** film. Part of **Stabilant's** beneficial action is its ability to lift corrosion by-products and hold them in suspension.

If this coloration is of concern, re-application of the **Stabilant** will so dilute it as to render it negligible; however as the color rarely has any effect on the proper operation of the connector most service personnel or manufacturers simply ignore the effect.

NATO Supplier Code 38948 - 15 mL S22a size has NATO Part # 5999-21-900-6937

The **Stabilants** are patented in Canada - 1987; US Patent number 4696832. World-wide patents applied for. Because the patents cover contacts treated with the material, a Point-of-sale License is granted with each sale of the material.

MATERIAL SAFETY DATA SHEETS ARE AVAILABLE ON REQUEST

NOTICE

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