



## PRISCO® E-Cure LED-840 Matte Energy-Curable Coating

### Product Description:

The Prisco E-Cure LED-840 is a matte LED energy-curable coating for inline application over LED inks and a variety of substrates. It is designed to produce an even and fast curing film formation with a superior matte finish. This allows for quick turnaround times and an even defect-free surface. This product is designed to have excellent flexibility and adhesion properties. The E-Cure LED-840 has been field tested and approved on most OEM and Retro converted LED Systems. It has good cure response at 385nm, 15-20 Watt systems, with minimal to no surface tack or yellowing. Results may vary depending on gap distance of array to substrate and irradiance.

### Advantages:

- Superior Matte Finish, Excellent Flexibility, and Scratch Resistance
- Good cure response, Good rub and Taber resistance
- Low odor, low VOC, non-yellowing

### Physical Properties:

- Viscosity (cps) \_\_\_\_\_ 500-600 cps, Brookfield LV Viscometer @ 25°C/77°F
- Viscosity (seconds) \_\_\_\_\_ 58-70 seconds #3 Zahn Cup @ 25°C/77°F
- Gloss \_\_\_\_\_ <25
- Wt./gal \_\_\_\_\_ 9.3 lbs/gal
- Cure \_\_\_\_\_ 100 fpm, 385nm (tested in controlled lab conditions w/ UVEXS Cure Unit)
- MEK Rubs \_\_\_\_\_ 15-25 Double Rub

### Application (Sheetfed and Flexo)

- Application Viscosity - Stir well. Keep covered and reduce light exposure when using.
- Equipment - Blanket and tower coaters, anilox coaters
- Curing - Sufficient amount of focused LED UV energy depending on press, press speed, and energy capability.
- Inks - LED Ink, primed or oxidized conventional sheetfed inks.
- Clean Up - Prisco UV Cleaner
- Shelf Life - 6 months stored at room temperature. Keep away from heat >100°F and minimize the products exposure to light.

### Product Code:

### READ SDS BEFORE USING THIS PRODUCT

RI86-55A (55 gallon drum), RI86-30A (30 gallon drum), RI86-5GB (5 gallon pail), RI86-ACT (275 gallon Tote)

*Prisco recommends that you test coatings for specialty applications using the actual raw materials to be used in production prior to printing.*



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