



Hilord Chemical Corporation

Hilord's Poly-Hi Coatings for Dye Sublimation

Hilord Poly-Hi Coatings ensure:

- Vibrant, brilliant colors
- Consistent Color and Density
- Competitively priced
- Ability to expand the uses of dye sublimation onto new substrates

Specifications:

- Transfer conditions:
 Standard temperature = 400°F (204°C)
 Standard pressure = 8 -10 psi
 Standard time = 355 seconds (Conditions will vary per substrate.)
- Standard Substrates: Glass, metals, ceramic tiles, fabrics, etc.



UV-Curable (Zero VOC) Coatings for Different Substrates

Product Code	Appearance	Substrate	Transfer Temp °C *	Transfer Time (Sec)	Press, psi	Gloss at 60°**	Pencil Hardness	Margin Resistance	Image Stability
825	White**	Aluminum plates, SS	185-195	45 - 60	20 - 25	30-40	5.5 - 6H	Good	
826	Clear, slightly yellow, glossy	Ceramic tile-matte	190-195	240-300	8-10	80-85	6H	Good	Good
		Ceramic tile-glossy	190-195	240-300	8-10	90-95	6H	Good	Good
		Aluminum plates, SS	190-195	45-60	15-20	>100	6H	Good	Good
		Glass	190-195	45-60	<10	>100	6H	Good	Good
866	Clear, slightly yellow, low gloss	Aluminum plates, SS	175-185	45-60	20-25	15-30	5.5 - 6H	Good	Good
875	Clear, slightly yellow, glossy	Rubber	175-185	45-60	15-25	85-95	n/a	Good	Good
890	Slightly Yellow	Leather	190 - 210	60 - 90	20 - 25	n/a	n/a	n/a	Good

* As a base for clear coating (#826) on colored or shiny substrates as a SS, Al-plates, etc. for bright image.

** Shown an average; depending on substrate

SS = Stainless Steel

Air Dry Coatings for Different Substrates

Product Code	Appearance	Substrate	Temp° C*	Time in Seconds	Press, psi	Image Stability
889	Milky white	Cotton	180 - 190	45 - 60	15 - 25	Very Good
837	Slightly yellow	Polyester	180 - 190	45 - 60	15 - 25	Good

Techniques for Poly-Hi Coating Application

For UV- Cured Coatings:

- Suggested UV lamp system using H or D bulb.
- Can be coated with spray or curtain coaters.
- Personal protective equipment: Respirator (suggested belt mounted: 3M GVP-1 PAPR Assembly), Tyvek suit with chemical resistant rubber gloves.
- Clean surface of rigid substrates with alcohol, THF, etc. before coating.

For air dry coatings:

- Air dry coatings can be applied with roll coaters or spray

To Sum Up: Hilord's Coating will Expand your Dye Sublimation Business!

Satisfaction Guaranteed:

This product was the result of extensive coating research and development. Included testing for compatibility with different media. It produces exceptional color quality and offers excellent results when correctly used. Hilord is not responsible for coating defects due to coater or substrates.

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