

TechniClear 1100

High-performing Cataphoretic Lacquer



Pre-Emulsified Lacquer (25%) for Decorative and Industrial Applications

TechniClear 1100 is an acrylic - urethane cataphoretic lacquer that offers lower than normal temperatures for curing.

TechniClear 1100 exhibits excellent adhesion to all metals and does not yellow when used on silver.

This product can attain a hardness of 5 H, when used with the correct curing on nickel electroplate, which makes it very abrasion-resistant when compared to other systems.

Designed to enhance and protect, cataphoretic lacquers from Technic are specially formulated for ease of application, consistency of performance, and quality. As with all Technic products, we provide world-class support and outstanding customer service regardless of the scale of your operation and the quantity of your purchase.

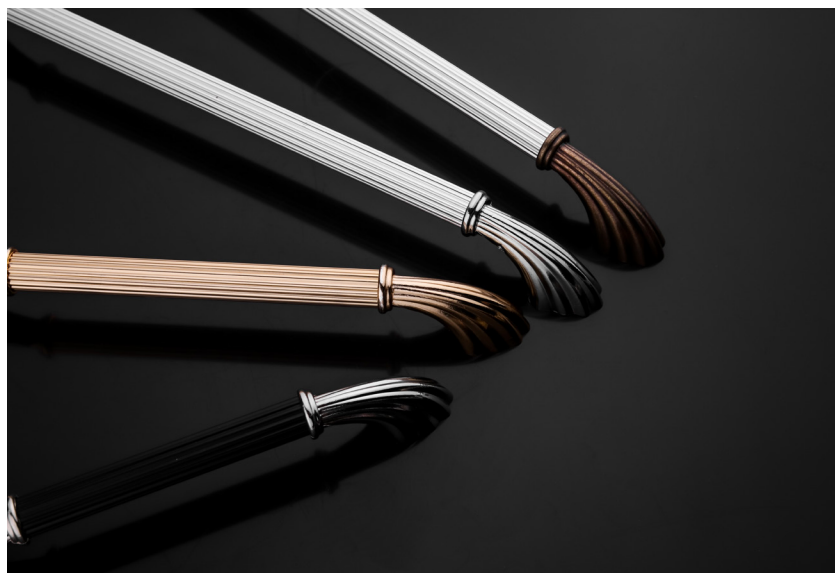


Features

- Pre-emulsified for easy use
- Easy to analyse and control
- Uniform deposit
- Self-limiting
- Short process time
- Excellent throwing power
- Typical voltage between 20-50 volts

Benefits

- Improved scratch resistance
- Low running costs
- Non-yellowing on silver
- Non-hazardous
- Low VOC
- No heavy metals
- Can be easily automated
- Can achieve high rack density
- Can be cured at low temperatures (from 125°C)



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OPERATING PARAMETERS:		
Parameter	Range	Optimum
TechniClear 1100 Lacquer	327-333 gr/L	330 gr/L
Bath Solid Concentration	8.0-9.0%	8.25%
Lacquer RI	10.5-11.5	
Lacquer Conductivity	500-700 μ S	600 μ S
MEQ	25-29	
Permeate RI	1.7-2.2	2.0
Permeate Conductivity	150-250 μ S	200 μ S
Operating Temperature	25-30° C	28° C
Cathode Voltage	30-40 V	Depending on plating thickness
Time	30-120 sec	Depending on plating thickness
Anode: Cathode Area	1:2	
Agitation	Constant solution movement	



Sample of Post Dyes colors

TechniClear 1100 can be used in conjunction with our Post Dyes and Integral Pigments.

TechniClear Post Dyes are used to achieve specific color matching for product enhancements and commercial value.

Applications of dyes are easy to control, provide consistent color performance, and are offered in a full range of colors.

Custom colors and color matching is available.



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