

TechniClear 1350

High Resin Cataphoretic Lacquer



High-Solid Content Lacquer for Decorative and Industrial Applications

TechniClear 1350 is a high resin cataphoretic lacquer that offers lower than normal temperatures for curing. Thanks to its improved perspiration and wear resistance, this product is particularly suitable for high-end applications, such as fashion and custom jewellery.

TechniClear 1350 can attain a hardness of as much as 6 H, when used with the correct curing on nickel electroplate, which makes it very abrasion resistant 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. Technic provides world-class support and outstanding customer service, regardless of the scale of your operation and the quantity of your purchase.



Features

- Easy to control
- Uniform deposit
- Self-limiting
- Short process time
- Can obtain thicker lacquer deposits (from 5 to 20 μm)
- Good throwing power

Benefits

- Improved scratch and wear resistance
- Can be run at 20-50 volts (no caging)
- Low running costs
- Enhanced perspiration resistance
- Improved formic acid resistance
- High rack density can be achieved
- Non-yellowing on silver
- Can be easily automated
- Higher solvent resistance (6000+ double acetone rubs)



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OPERATING PARAMETERS		
Parameter	Range	Optimum
TechniClear 1350 Lacquer	14 – 16%	15%
Bath Solid Concentration	7.0 – 9.0%	8.0%
Lacquer RI	11 – 14	
Lacquer Conductivity	450 - 700 μ S	
MEQ	35 - 40	
Permeate RI	1.8 – 2.5	
Permeate Conductivity	250 – 350 μ S	200 μ S
Operating Temperature	24 – 28° C	26° C
Cathode Voltage	25 – 40 V	Depending on plating thickness
Time	30 – 120 sec	Depending on plating thickness
Anode: Cathode Area	1:2	
Agitation	Constant solution movement	



TechniClear 1350 can be used in conjunction with our Post Dyes or Integral Pigments.

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

Matting agents may also be added to the working solution to achieve a desired non-glossy finish, depending on the application.

Custom colors and color matching is available.