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Technical Data

S-400 and R-400 Silvering Solutions

USES:

Used for plating silver on high quality glass during the manufacture of mirrors by conveyORIZED mirror lines.

Solution Chemistry:

Consists of the RTA-550 sensitizer which is used in the tinning section of the conveyor line and of the S-400 silver solution and the R-400 reducer solution in the silvering section. In the silvering section, we recommend one silver spray nozzle at the leading edge followed by sets of Silver and Reducer nozzles resulting in a roughly five second delay between the first lone nozzle and the following reducer and silver nozzle set.

Dilution Ratio:

S-400 & R-400 : 1 ml in 30 ml DI water

RTA-550 : 1 ml in 500 ml DI water

Based on lab, field, and production runs we make the following recommendations to obtain 70 mg of Silver per Sq. Ft of glass:

Glass cum Solution Temperature : 90 F

Ride Time = 45-60 Secs

Coverage = 8000 Sq. Ft (approx.) per Gallon

Appearance : Bright silver. Solutions remain clear and sludge-free throughout ride time.

Adhesion : (measured by Tape Pull Test on Silver + Copper) - Nearly zero failure

Packaging:

Sold as one gallon unit, consisting of one gallon S-400 and one gallon R-400. One gallon of RTA-550 is provided for every 50 gallon unit of S-400 and R-400. S-400 and R-400 are packed in ready to use 5 gallon containers.

Price:

Price based on the Handy and Harmon fabrication price of silver and is subject to market fluctuation. Volume discounts are available. Call for pricing.

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