



Shatterproof Coating

Protection for evacuated glass systems is afforded by a new RCA solvent-type liquid plastic coating. Designed primarily to prevent shattering of bell jars, and glass laboratory apparatus, it has also been used effectively on glass sheet and other glass articles.

RCA plastic shatterproof coating is intended for spray application. It is formulated from resins and solvents of the highest purity. Extensive development work has produced a coating with marked clarity, firm adhesion to glass, flexibility and toughness, desirable aging qualities, hardness, and excellent shatterproof properties.

For usual sections of glass, the recommended thickness of the dried film is 0.0025 inches. For heavy sections, use a film thickness of 0.003 to 0.004 inches.

When ordering, specify RCA Part No. 33-L-614; RCA plastic shatterproof coating is available in one-gallon or one-quart containers.



A bell jar with an eight-inch crack was coated with RCA plastic No. 33-L-614 in the approved manner and evacuated to less than 50 microns pressure. While under vacuum, the jar was subjected to an impact force of 175 pounds, applied by means of an iron-ball pendulum. This force caused the jar to shatter, but none of the broken glass was sucked into the pump line, nor did any glass break free from the plastic.

Address orders and inquiries to: Tube Parts and Machinery Sales,



TUBE DEPARTMENT

RADIO CORPORATION of AMERICA

HARRISON, N. J.