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Cementing Instructions

Capillary Method: Before gluing acrylic do not flame or polish edges (to prevent crazing) and remove about 1" of masking from the edges of acrylic. Fit surfaces (to be cemented) snugly together without any gaps or voids. Use a jig, clamp, or weight to hold surfaces in direct contact under mild uniform pressure. Apply the cement with a Hypo-Applicator allowing the cement to flow into the joint by capillary action. The union will set in thirty to sixty minutes; however, a full cure does not occur for eight hours.

Hypo-Applicator: Do not fill hypo-bottle more than half way. Hold bottle upright and squeeze slowly to expel air. Release pressure slowly while moving hypo-needle into position to glue the joint. This slow pressure release creates a slight vacuum and lessens the possibility of dripping glue which can mar or damage the surface of the acrylic. With the hypo-needle in place squeeze bottle gently and pull needle backwards along joint to be glued. Do not PUSH hypo-needle along the joint because it plugs easily.

Acrylic Cement

Acrylic Cement is a free-flowing (capillary), solvent-type bonding agent for acrylic pieces. Generally it is used for edge gluing, since it softens surfaces and welds them together. It produces strong, optically clear cemented joints. Apply with brush, medicine dropper, hypo-solvent applicator, or syringe.

SciGrip 3 and 4 Cements

3 and 4 Cements are both high-strength, fast drying, clear, and water thin acrylic cements. SciGrip 3 is very fast drying and may blush under humid conditions. Always test your application for blushing (clouding) before finalizing glue choice, especially if an aesthetic seam is critical.

SciGrip 16 Cement

SciGrip 16 is a clear and thick cement for industrial grade acrylic. Heavy-bodied solvent for quick bond. Cements styrene, butyrate, and other plastics. Use on irregular edges, especially when high-strength (not bubble-free) joints are required.

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