

Technical Information

ACRIFIX™ CA 0020 Acrylic Cement Catalyst

Product and Use

Clear, slightly yellowish liquid of low viscosity. Hardener for polymerization cement based on methyl methacrylate.

Applications

Hardener (preferentially added at 3%) for MMA adhesives, e.g. ACRIFIX™ 2R 0190 and ACRIFIX™ 2R 0195 Specialty Bonding Agents.

Typical Values of Properties

Viscosity (Brookfield I/30/68°F/20°C): 53 cs

Density/ 68°F /20°C: ~ 1.05 g/cm³

Refractive index n_D^{20} : ~ 1.495

Flash point (Closed Cup): > 212°F/100°C

Solids content: ~ 5%

Storage stability: 9 months after filling, if correctly stored

Packaging materials: HDPE, aluminum and glass

Safety Measures and Health Protection

Contains dibenzoyl peroxide. May cause sensitization by skin contact. Keep away from dirt, rust, chemicals, concentrated alkalis, and concentrated acids, accelerators (e.g. heavy metal salts and amines). Wear suitable protective clothing, protective gloves and goggles / face protection during work.

Storage / Shipping

Keep container tightly closed in a cool, dark place. ACRIFIX CA 0020 must not be stored in a refrigerator or deep freezer, since this causes the active ingredient to crystallize and makes it very difficult to redissolve. **Storage temperature: max. 86°F / 30°C, min. 54°F/12°C.**

Working Instructions

ACRIFIX CA 0020 can be dosed according to volume by means of a graduated pipette, a burette, a disposable syringe or, best of all, by means of a dispenser. However, it can also be dosed according to mass using commercially available laboratory scales.

The required amount of hardener at room temperature (64-77°F/18-25°C) for ACRIFIX 2R 0190 and ACRIFIX 2R 0195 SBA is 3%.

At lower ambient temperatures and for special adhesive compositions, the required amount of hardener may be up to 6%.

ACRIFIX CA 0020 is stirred into the adhesive by hand, using a stirring rod made of glass, ACRYLITE® or stainless steel (free from copper!). If larger quantities of adhesive are used (> 200 g), an electrically or pneumatically operated agitator should be used.

Stirring is performed by means of a stainless-steel propeller or, better still, with a stainless-steel stirrer blade. Since this type of blade is not commercially available, it must be made by the operator from approximately 1/2 inch thick stainless steel.

Bonded parts can be further treated 3 to 6 hours after curing. The bonds only acquire their final strength after about 24 hours or after immediate annealing as soon as the adhesive has cured.

Limitation of Liability

Our ACRIFIX adhesives and other auxiliary agents were developed exclusively for use with our ACRYLITE acrylic sheet products and are specially adjusted to the properties of these materials. Any recommendations and guidelines for workshop practice therefore refer exclusively to these products.

Seller's liability shall be limited to the purchase price of the product supplied (or to have been supplied) hereunder in respect of which damages are claimed. All technical or other advice by seller, whether or not at buyer's request, with respect to the product, its processing, further manufacture, other use or resale or otherwise, is given gratis by seller and seller shall not be liable for, and buyer assumes all risk of, such advice and the results thereof. SELLER SHALL IN NO EVENT BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR OTHER DAMAGES, AND REGARDLESS WHETHER THE CLAIM IS BASED ON WARRANTY, CONTRACT, TORT, STRICT LIABILITY, NEGLIGENCE OR OTHERWISE. Upon satisfactory proof of claim by buyer, and as buyer's exclusive remedy, seller will, within a reasonable time, supply buyer with replacement product of the same or equivalent type, free of charge, freight prepaid or, at seller's option, refund the purchase price for the product upon return of the product or other delivered material, or the unused portion thereof. Buyer charges for replacements and returns for credit will not be allowed unless authorized by seller in writing.

For further information on safety measures, the exclusion of health risks when handling adhesives and on their disposal, see our Safety Data Sheet.

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Technical Support

Visit the TechKnowlogy Center at www.cyro.com where visitors have immediate access to FAQs, technical information, tips, and hundreds of other facts about ACRYLITE acrylic products.

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