

ACRIFIX® CA 0030

Catalyst for curing 5–component polymerization adhesive ACRIFIX® 5R 0194

Product and Use

Type

Catalyst for curing 5–component polymerization adhesive ACRIFIX® 5R 0194.

Clear, colorless solution for completing the polymerization reaction of ACRIFIX® 5R 0194 (upon addition of ACRIFIX® PR 0031, ACRIFIX® CL 0033 and ACRIFIX® AC 0032).

Applications

Preferably used for clear butt joints and for large-area laminates of thick PLEXIGLAS® GS blocks in the aquarium construction sector.

The cured joints are virtually colorless and contain extremely low proportions of residual solvent after annealing.

Storage/Transport

Keep container tightly closed in a cool place (max. 25 °C). Do not expose to direct sunlight. Use only containers approved for the product.

UN 3105

Working Instructions

Weigh ACRIFIX® CA 0030, ACRIFIX® PR 0031 and ACRIFIX® CL 0033 separately and add to ACRIFIX® 5R 0194 one after the other. Add ACRIFIX® AC 0032 last. Stir the adhesive composition after adding each individual component until no more striation is visible. The recommended mixing ratio of the additional components ACRIFIX® CA 0030, ACRIFIX® PR 0031, ACRIFIX® CL 0033 and ACRIFIX® AC 0032 must be strictly observed.

Please note: ACRIFIX® CA 0030 and ACRIFIX® AC 0032 must not enter into contact with each other in their concentrated form, since they may react explosively.

In the covered container, entrapped air bubbles will rise to the surface of the adhesive, but they can also be eliminated in a vacuum desiccator (min. 200 mbar). As soon as the adhesive becomes thick and noticeably warm (end of pot life), it should no longer be used.

For further details, consult the Product Description leaflet for ACRIFIX® 5R 0194 and our Guidelines for Workshop Practice „Joining PLEXIGLAS®“.

Limitation of Liability

Our ACRIFIX® adhesives and other service products were developed exclusively for use with our PLEXIGLAS® products and are specially adjusted to the properties of these materials. Any recommendations and guidelines for workshop practice therefore refer exclusively to these products.

Claims for damages, especially under product liability laws, are ruled out if made in connection with the use of products from other manufacturers. For further information on safety measures, the exclusion of health risks when handling adhesives and on their disposal, see our Safety Data Sheet.

Availability according to the current sales range.

Typical Values

Properties	Values
Viscosity (Brookfield, 20 °C):	~ 16 mPa · s
Density (20 °C):	~ 1.08 g/cm ³
Color	clear, colorless
Flash point:	above SA DT
Storage stability:	1 year after filling, given correct storage
Packaging materials:	polyethylene
Cleaning agents for equipment:	acetone, ethyl acetate
Storage temperature:	Max. 25°C

Curing

System:	5-component polymerization adhesive
Recommended mixing ratio:	95.7 parts ACRIFIX® 5R 0194 0.5 parts ACRIFIX® CA 0030 0.3 parts ACRIFIX® PR 0031 3.0 parts ACRIFIX® AC 0032 0.5 parts ACRIFIX® CL 0033 Dilution with up to 20 % ACRIFIX® TC 0030 is possible.
Curing time (at 200 g adhesive, 20 °C):	60 to 80 min
Pot life (at 200 g adhesive, 20 °C):	20 to 30 min

Safety Measures and Health Protection

Labeling according to Regulation (EC) 1272/2008

Danger: contains cyclohexanone, peroxide.



Heating may cause an explosion. (H240)

Harmful if swallowed. (H302)

Causes severe skin burn and eye damage. (H314)

May cause respiratory irritation. (H335)

Keep away from heat/ sparks/open flames/hot surfaces. — No smoking. (P210)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

Immediately call a POISON CENTER or doctor/physician. (P310)

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.(P303+P361+P353)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Dispose of contents according to local disposal regulations. (P501)

® = registered trademark PLEXIGLAS and ACRIFIX are registered trademarks of Evonik Röhm GmbH, Darmstadt, Germany. Evonik Röhm GmbH is certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment).

Evonik is a worldwide manufacturer of PMMA products sold under the PLEXIGLAS® trademark on the European, Asian, African and Australian continents and under the ACRYLITE® trademark in the Americas.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, also with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Performance Materials GmbH

Acrylic Polymers

Kirschenallee, 64293 Darmstadt, Germany

info@plexiglas.net www.plexiglas.net www.evonik.com

Ref.-No. 391-33 September 2015