

## ACRIFIX® Colorants

### For coloring ACRIFIX® 2R polymerization adhesives

#### Product and Use

##### Type

Colored pasty compounds based on organic and inorganic pigments in phthalate plasticizer.

##### Applications

For coloring ACRIFIX® 2R polymerization adhesives, for the bonding of e.g. colored PLEXIGLAS® parts, or to fill in engravings etc.

##### Storage/Transport

At room temperature in a dry place  
Not a dangerous chemical within the meaning of the shipping regulations.

##### Working Instructions

The colorant pastes must be stirred before use, e.g. with a wooden spatula. Colorant is normally added to ACRIFIX® 2R polymerization adhesives in a proportion of 1 % of the adhesive quantity, but other ratios are also possible. Stir colorant into ACRIFIX® 2R adhesive and mix homogeneously. The **master batch** thus obtained can either be mixed directly with the hardener ACRIFIX® CA 0020 and used as such, or mixed with other master batches or ACRIFIX® 2R adhesives on its own. This makes it possible to approximately match various PLEXIGLAS® colors (see Table „Typical Formulations“). In order to avoid deviations in color when performing extensive or repeated bonding jobs, it is advisable to color the required adhesive quantity all at once and to add the hardener ACRIFIX® CA 0020 to smaller quantities taken from the entire batch.

The addition of larger quantities of colorant, especially blue and red, may slow down the curing process. This can be made up by adding 0.5 to 1 % to the usual concentration of ACRIFIX® CA 0020 (3 to 6 % in e.g. ACRIFIX® 2R 0190).

##### Notes:

In case of a higher content of curing agent, the color can change (yellow color), this is particularly visible in white colors.

For more details please see our Guideline "Joining, Ref. No.: 311-3"

##### 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.

## Table of Typical Formulations for Coloring ACRIFIX® 2R 0190 (example)

### Percentage of Colorant Added to ACRIFIX® 2R 0190 (= Masterbatch)

PLEXIGLAS® GS Grade	F1	F2	F3	F4	F5
White 003/WH01	-	3	-	-	-
White WH10	-	1	-	-	-
White 072/WH73	-	1	-	-	-
Yellow 374/1H01	-	-	-	-	1
Red 505/3H25	-	1	1	-	-
Red 568/3H67	-	-	1	-	1
Red 571/3H01	-	-	3	-	-
Blue 5H48	-	1	-	4	-
Green 703/6H02	-	1	-	1	2
Grey 884/7M84	1	1	-	-	1
Black 811/ 9H01 2	2	-	-	-	-

- F 1 = ACRIFIX® CO 9073 (Black)  
 F 2 = ACRIFIX® CO W074 (White)  
 F 3 = ACRIFIX® CO 3075 (Red)  
 F 4 = ACRIFIX® CO 5076 (Blue)  
 F 5 = ACRIFIX® CO 1077 (Yellow)

### Safety Measures and Health Protection

This mixture is not classified according to  
CLP/GHS

## Mixing Ratio % of Masterbatches (Mb.) with ACRIFIX® 2R 0190

	FK.1	FK. 2	FK. 3	FK. 4	FK.5	X
	-	100	-	-	-	-
	-	14,2	-	-	-	85,8
	-	100	-	-	-	-
	-	-	-	-	100	-
	-	20	50	-	-	30
	-	-	83,4	-	16,6	-
	-	-	100	-	-	-
	-	17,5	-	23,5	-	59,0
	-	15,8	-	2,6	52,6	29,0
	31,9	65,0	-	-	3,1	-
	100	-	-	-	-	-

Mb. 1-5 = Masterbatch with F 1-5

X = Adhesive ACRIFIX® 2R 190

**The required catalyst quantity for curing must be  
deducted from the colored adhesive.**

### Typical values

Properties	Values
Viscosity:	pasty
Density (20 °C):	~ 1 g/cm <sup>3</sup>
Color or grade:	CO 9073 (Black) CO W074 (White) CO 3075 (Red) CO 5076 (Blue) CO 1077 (Yellow)
Storage stability:	unlimited in original container
Packaging material:	PE-can
Cleaning agents for equipment:	ACRIFIX® TC 0030, ethyl acetate, acetone
Storage temperature:	max. 30° C

® = 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](mailto:info@plexiglas.net)   [www.plexiglas.net](http://www.plexiglas.net)   [www.evonik.com](http://www.evonik.com)

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