



# PROFESSIONAL PLASTICS, INC.

Leading Global Supplier of Engineered Plastic Shapes

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## ACRIFIX® Cement for Bonding Acrylite® Acrylic



### ACRIFIX® for many processing methods

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#### Which ACRIFIX® product is most suitable for your application?

ACRIFIX® cements are ideal for bonding ACRYLITE® products as well as other acrylic (PMMA) sheet.

Each product offers distinctive properties for your application and fabrication needs.

#### Which ACRIFIX® product?

##### Quick dry solvent

##### Methylene chlorid free

- Water thin
- Viscous

ACRIFIX® 1S 0117  
ACRIFIX® 1S 0116

##### Low VOC

- Water thin

ACRIFIX® 1S 2105

##### High end polymerizing cement

##### Outdoor

- Transparent bubble free
- Satin Finish
- Fast UV curing

ACRIFIX® 2R 0190  
ACRIFIX® 2R 0195  
ACRIFIX® 1R 0192

##### No water contact

- Accelerated curing

ACRIFIX® 2R 1074

## V-Groove (Filler Joint) - Which ACRIFIX® product can be used for V-Groove (Filler Joint) ?



V-Groove (Filler Joint)

ACRIFIX®  
2R 0190

ACRIFIX®  
1R 0192\*

ACRIFIX®  
2R 1074

Outdoor Use

•

•

•

Indoor Use

•

•

•

\* UV-curing cement

## Area Bonding - Which ACRIFIX® product can be used for area bonding ?

Area Bonding



ACRIFIX®  
2R 0190

ACRIFIX®  
1R 0192\*

ACRIFIX®  
2R 1074

Outdoor Use

•

Indoor Use

•

•

•

\* UV-curing cement

## Satin Bonded Surfaces - Which ACRIFIX® product can be used for satin bonded surfaces ?

Satin Bonded Surfaces



ACRIFIX®  
2R 0195

ACRYLITE® GP  
(cast acrylic sheet)

•

ACRYLITE® FF  
(extruded acrylic sheet)

•

## Butt Joints - Which ACRIFIX® product can be used for butt joints ?

### Butt Joints



ACRIFIX®  
2R 0190

- Material thickness < 25 mm •
- Material thickness > 25 mm •

## T-Joints and Butt Joints - Which ACRIFIX® product can be used for butt joints?



For the highest optical appearance, durability and strength

	ACRIFIX® 2R 0190	ACRIFIX® 1R 0192*	ACRIFIX® 2R 1074
Outdoor use	•	•	
Indoor use	•	•	•

For quick and easy handling

	ACRIFIX® 1S 0116	ACRIFIX® 1S 0117
Solvent-based adhesives without dichloromethane	•	•

\* UV-curing cement

## ACRIFIX® 1S 0116 Pure-V



ACRIFIX® 1S 0116 is a thickened solvent acrylic cement that is also **free of dichloromethane** just like ACRIFIX® 1S 0117. It is suitable for channel lettering where cement needs to stay in place while drying, as well as many other versatile applications. Due to the nature of solvent cements, thickened solvent is not gap filling.

## ACRIFIX® 1S 0117 Pure



ACRIFIX® 1S 0117 is a solvent acrylic cement that is **free of dichloromethane** (methylene chloride). This solvent cement was developed utilizing a patented formula to provide an alternative to cements containing dichloromethane. ACRIFIX® 1S 0117 does not cause crazing or blushing (whitening) when used as recommended under normal conditions. Also, the bonds produced from ACRIFIX® 1S 0117 solvent cement are strong and clear. With superior capillary ACRIFIX® 1S 0117 flows better and less bubbles form compared to traditional dichloromethane based cements. In a side by side comparison shows even in humid condition ACRIFIX® 1S 0117 dries with better optical quality.

## ACRIFIX® 1S 2105 Express



ACRIFIX® 1S 2105 Express is a re-engineered solvent acrylic cement which contains a minimum amount of dichloromethane ( $\text{CH}_2\text{Cl}_2$ ) while maintaining the fast drying property. With low VOC (44g/L), ACRIFIX® 1S 2105 is suitable for most fabrication applications with strong bonding and does not cause blushing.

## ACRIFIX® 2R 0190 Versatile



ACRIFIX® 2R 0190 is a syrupy, two-component reactive cement. It is most versatile which can be used in virtually every acrylic bonding application and that's why we call it "the mother of all cement". It offers the best bonding quality (strength and optical quality) for bonding acrylic (PMMA) to itself and to other substrates. The joint cures in an invisible water clear. It is UV stabilized so there is no yellowing. It offers a superior weatherability than other products in the market. Meets Mil Spec A-8576 Type III, Component A.

- **Substrate:** extruded (FF) and cast (GS) acrylic sheet material
- **Application:** butt joints, area bonding, filler joints
- **Typical application:** furniture, displays, store fixtures, mechanical engineering, model building, aquariums
- **Gap-filling:** yes
- **Appearance of bond:** virtually colorless, bubble-free
- **Weather resistant:** yes (annealing recommended)
- **Bonding strength:** excellent

## ACRIFIX® 2R 0195 Satin



ACRIFIX® 2R 0195 is a unique two-component reactive cement with a frosty finish. Preferably used for bonding ACRYLITE® Satin Ice acrylic sheet SC and DC (ACRYLITE® P-95 and ACRYLITE® DP9 acrylic sheet) as well as ACRYLITE® Crystal Ice but also suitable for bonding to other materials. Just like ACRIFIX® 2R 0190, 2R 0195 is also UV stabilized to ensure weatherability.

- **Substrate:** for satin textured extruded (FF) and cast (GP) acrylic sheet material
- **Application:** butt joints, area bonding, filler joints
- **Typical application:** furniture, displays, store fixtures, mechanical engineering, model building
- **Gap-filling:** yes
- **Appearance of bond:** translucent white, bubble-free, matte surface similar to ACRYLITE® Satin Ice
- **Weather resistant:** yes (annealing recommended)
- **Bonding strength:** very good

## ACRIFIX® 2R 1074 - Vitrine



Introducing ACRIFIX® 2R 1074 for vitrine fabrication! This specially designed reactive cement flows faster and shortens the curing time by 1/3 with brilliant and seamless results. ACRIFIX® 2R 1074 is recommended for bonding acrylic to itself and other materials. However it is not recommended to use for water tank or other water contact applications due to whitening phenomenon incurs through time.

- **Substrate:** for extruded (FF) and cast (GP) acrylic sheet material
- **Application:** butt joints, area bonding, filler joints
- **Typical application:** furniture, displays, store fixtures, mechanical engineering, model building
- **Gap-filling:** yes
- **Appearance of bond:** virtually colorless, bubble-free, smooth surface
- **Weather resistant:** yes (annealing recommended)
- **Bonding strength:** good

**To Order Online, Click Here:**

[http://www.professionalplastics.com/Acrifix\\_CementForAcrylic](http://www.professionalplastics.com/Acrifix_CementForAcrylic)



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