



# 121

JASDI 121 is a new Second Generation Acrylic Adhesive, which is specially designed to combine the high shear strength and temperature resistance of Acrylic adhesives with the high peel strength and impact resistance of a reactive rubber base. High performance, solvent free and can be used without measuring or mixing make 121 the most outstanding one among two part adhesives.

## 1. ADVANTAGES :

- (1) Bond to a wide variety of materials : metal, glass, epoxy resins, unsaturated polyester resins, FRP, bakelite, etc.
- (2) High impact resistance.
- (3) Good heat resistance, working temperature : 150° C.
- (4) No mixing, No waste : the limitation of pot life no longer be a problem. Part A and B can be applied separately on the surfaces to be bonded, then join the two surfaces to effect bonding when you want to.
- (5) After both parts are put together, it takes about 5 mins for the mixture to get cured. It will achieve 30% of the strength in 10 mins, 80% of the strength in 30 mins and 100% full strength in 24 hrs (see 4.)
- (6) Recommended ratio of Part A and Part B is 1:1, but it can range from 3:7 to 7:3.
- (7) Cause no corrosion on metal surfaces.
- (8) Tolerant of oil surfaces.

## 2. TYPICAL CHARACTERISTICS :

	<u>Part A</u>	<u>Part B</u>
Chemical Type :	Modified Acrylic Resin	Modified Acrylic Resin
Physical Form :	Viscous Liquid	Viscous Liquid
Color :	Pink	Blue
Solid Content :	100%	
Specific Gravity : @25° C	0.97 – 0.99	
Viscosity : @25° C	2,000 – 3,700 cps	

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**3. APPLICATION METHODS :** According to the necessity in production process, choose the most suitable one from the followings.

- (1) Apply part A & B separately on different surfaces to be bonded then join the two surfaces when you want to.
- (2) Apply part A (or B) on the first surface then apply the other part on the top of the first part applied and join the second surface to effect bonding.
- (3) Mix part A and B thoroughly before bonding. Then immediately apply to the substrates to be bonded.

**NOTE :** 121 is a kind of Honeymoon Adhesives, i.e. chemical reactions will happen immediately after one part contacts with the other part and usually at room temperatures, the pot life after contacted is within 2 mins. In pre-mix versions (3) the pot life will be much shorter than 2 mins.

**4. AVERAGE ADHESION STRENGTH :** (Iron / Iron , 25° C x 24hrs)

Item		In Accordance With
Tensile Shear Strength	265 kg/cm <sup>2</sup>	ASTM D 1002-64
Tensile Strength	180 kg/cm <sup>2</sup>	ASTM D 2095-62T
T-Peel Strength	13 kg/cm <sup>2</sup>	ASTM D 1876-61T
Impact Strength	24 kg/cm <sup>2</sup>	ASTM D 950-54

**5. STORAGE :**

When storage at the room temperature (25° C) in a cool and dry place and away from sunlight, the shelf life can be guaranteed at least 6 months.