



# FASTFLEX BRUSHABLE TRANSPARENT URETHANE ELASTOMER

## PRODUCT DESCRIPTION:

FastFlex is the newest variation of our SkinFlex III. It was developed in response to repeated customer requests for a material system that can be demolded within several hours. With a demold time of two hours or less, FastFlex has accomplished this and much more.

One practical example of how demold time can vary is when FastFlex is applied as a face-coat then backed with polyurethane foam. The heat generated by the foam expedites the curing of the thin skin and demold can be achieved in about one hour. When FastFlex is used as a mold material, the thickness applied will dictate how rapid demold can occur. If an application requires a quarter inch thickness or more of the FastFlex material, demold can often take only 1 1/2 - 2 hours at room temperature.

Like its sister product SkinFlex III, FastFlex is also available as a three component system. The third component, called part "C", determines the variation in the softness and degree of stretch attainable by the material. When the "C" component is used, work times and demold times will increase.

FastFlex can be used for a variety of applications, including the creation of soft, yet flexible and durable skins for animated characters, costumes, prosthetics, and various parts and molds.

## PRODUCT HIGHLIGHTS:

- ✓ Basic "A" to "B" ratio is 67/100 parts by weight
- ✓ Demold in two hours or less
- ✓ With the addition of the "C" component, a softer and more stretchable skin can be achieved. Generally not more than 30% of "C" should be added to the total weight of "A" and "B"
- ✓ FastFlex parts are paintable with BJB's SC-89 stretch polyurethane paint
- ✓ BJB's pigments, which are compatible with all BJB products, can be added to this system. Normally 1 oz. of pigment will color approximately one gallon of material. In some cases more pigment may be required; however, too much pigment can create curing problems.

## HANDLING PROPERTIES:

Mix Ratio (by weight):

Part A .....	67 parts by weight
Part B .....	100 part by weight

Specific Gravity (g/cc):

Part A .....	1.07
Part B .....	0.92
Part C .....	0.97

Color:

Part A .....	Light amber
Part B .....	Amber
Part C .....	Light amber

## HANDLING PROPERTIES Cont'd:

Work Time, 100g mass @ 77° F (25°C) ..... A+B (no "C") 10 minutes  
Gel Time ..... A+B (no "C") 15 minutes  
Demold Time @ 77° F (25°C).....2-2 1/2 hours  
Heat cures up to 150° F (66°C) reduce demolds to one hour or less

**NOTE:**

**FastFlex may not cure properly or at all against tin catalyzed silicone mold compounds.** Request technical assistance if silicone molds are required. Polyurethane flexible mold materials are a good alternative to silicone. If you are going to paint FastFlex or bond to the surface, avoid the use of silicone releases.

**STORAGE:**

Store in a cool dry place. Unopened containers of FastFlex will have a shelf life of 6 months from the date of shipment when properly stored under normal indoor conditions, i.e., 75° ± 15°F (24° ± 10°C). Open containers of material should be purged with dry nitrogen prior to replacing lids or caps to prevent moisture contamination.

**PACKAGING:**

Gallon kits.....5.3 lbs. A, 8 lbs. B, 4 lbs. C  
5-Gallon kits .....27 lbs. A, 40 lbs. B, 21 lbs. C

**SAFETY PRECAUTIONS:**

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction.

Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

**IF CONTACT OCCURS:**

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Seek qualified medical attention if allergic reactions occur.

**Eyes:** Immediately flush with water for at least 15 minutes. Call a physician.

**Ingestion:** If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

**Refer to the Material Safety Data Sheet before using this product.**