

# LCBA77-5TX

- Snap Cure Epoxy Adhesive System
- Two Part System
- Zero Shrinkage
- Dissimilar Surface Bonding
- Crack Repair
- Thixotropic

**Description:**

LCBA77-5TX is a snap cure, epoxy adhesive, with low shrinkage and excellent single lap shear strength. LCBA77-5TX has a short gel and a convenient 1:1 mix ratio. This is the thixotropic (-TX) version for filling large gaps. LCBA77-5TX is a shear thinning material that will not drip or move when left alone at ambient conditions. LCBA77-5TX bonds strongly with PVC, steel, aluminum, concrete, wood, and other composites.

**Typical Properties as Received:**

Property	Value	Test Method
Density, g/cc	1.0	ASTM D-1622
Color : part A	Black	Eyesight
Color : part B	White	Eyesight
Viscosity part A, cP, at 77°F (25°C)	20,500	ASTM D4287
Viscosity part B, cP, at 77°F (25°C)	21,000	ASTM D4287

**Cure Schedule:**

LCBA77-5TX has a 5 minute pot life at 77°F (25°C). It has a time to green strength of 30 minutes and reaches working strength after 24 hours. **The mix ratio is 1:1 (A:B) by weight.**

**CAUTION: Do not have bulk material sitting after mixing in amounts greater than 50g. After mixing, spread material immediately on surfaces. Any excess material must be spread out using a squeegee to thickness not exceeding quarter inch so as to minimize exotherm.**



## LCBA77-5TX

### Typical Properties Once Cured\*:

Property	Value	Test Method
Weight gain,%, after 24 hour immersion in water at 77°F (25°C)	< 2	ASTM D-543
Single lap shear, psi, Aluminum	~3000 - 5000	ASTM D1002-10
Single lap shear, psi, Steel	~2500 - 3500	ASTM D1002-10
Single lap shear, psi, PVC	~1500	
Single lap shear, psi, aluminum exposure to 24 hour water	~2500-3500	

\*Properties are presented for purpose of comparison; no guarantee is extended or implied regarding properties.

### Long Term Storage:

LCBA77-5TX should be stored in a dry place, sealed in its original container. If stored at 77°F (25°C), the product will remain useable for 6 months after the date of shipping from Lattice Composites.

### Precautions:

Lattice Composites ships all products with Safety Data Sheets (SDS). These sheets are compiled and maintained to allow all of Lattice Composites customers to protect their customers and employees against any known health or safety hazards. It is strongly suggested that users of our products review the appropriate SDS before use allowing them to make informed decisions about any necessary actions needed to protect themselves and their employees. **Several epoxy cure reactions can be highly exothermic and appropriate caution is always recommended.** Copies of the latest SDS for any product can be obtained by contacting our offices at 951-826-1101.

It is also recommended that the user run a trial/experiment to determine gel time, exothermic characteristics and degree of adhesion for their specific application.

### Disclaimer:

The values stated in this data sheet in no way constitute a guarantee or warranty of any kind. The values are obtained by averaging laboratory test results. The actual values that a customer will get depend upon individual processing and sample conditions. It is highly recommended that the user conduct their own experiments to ascertain properties.

Proper care should be taken at all times with regard to handling and use of this material. The purchaser and/or user should obtain Safety Data Sheets, containing information on hazards, toxicity, storage and handling, from Lattice Composites. The purchaser and/or user should ensure that all persons who will be in contact with products are trained regarding their use, storage and disposal. All persons using Lattice Composites products



## LCBA77-5TX

should use appropriate personal protective equipment. Lattice Composites accepts no responsibility or liability regarding any injury or damages resulting from the use of its products.