

**AO**  
epoxies

**DURA TECHNOLOGIES**

**80LS-23 System**

*ISO 9001:2008*  
*Registered Company*

**CLEAR LAMINATING RESIN**

The AO 80LS-23 System is a clear laminating epoxy system. The system yields an increased cross link density making it especially suitable for lightweight, high performance composites using a variety of reinforcements.

**80LS-23 System USES**

- Lightweight composites
- Marine equipment such as sail & surf boards
- Systems where very light color is required
- Hand lay up, vacuum bagging and RTM application
- Repair applications, laminating, bonding and sealing

**80LS-23 System PERFORMANCE BENEFITS**

- Superior fatigue and toughness properties
- Good moisture exclusion
- Non Staining
- Good adhesion to fabrics, core materials, wood and metal
- Excellent wet out and air release
- Excellent clarity and transparency

**CURING AO 80LS- 23 SYSTEM**

AO 80LS- 23 System mixes maintain good working properties until gelation takes place. Under some circumstances the mixture may cure to a brittle "B" stage, but will temper to full cure over the next 48hours at room temperature. Minimum cure temperature is 72°F/22°C. The system reaches maximum ambient cure after seven days at room temperature.

**TYPICAL LIQUID SYSTEM PROPERTIES AT 25°C/77°F FOR AO 80LS-23 System**

<b>Property</b>	<b>80LS-23B Rapid Set</b>
Mix Ratio (parts by weight)	100 Resin/44 Hardener
Mix Ratio (parts by volume)	100 Resin:50 Hardener
Density (mixed), lbs/gal	9.1
Viscosity (mixed) ASTM D-2393)	1000-1100 cps
Specific Gravity, (mixed)	1.16
Color, mixed	Clear
Pot Life (ASTM D- 2471), 72°F, 144 grams	9-11 minutes
Shelf Life, Separate Parts	1 Year

Our Products are intended for sale to industrial and commercial customers. We request that Customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty or merchantability or fitness, nor is protection from any law of patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages

Last updated February 9, 2018

*ISO 9001:2008 Registered Company*

**AO**  
Epoxies

**DURA TECHNOLOGIES**

*2720 South Willow Ave.  
Bloomington, CA 92316*

**80LS-23 System**  
**Clear Laminating System**

**CURED SYSTEM PROPERTIES AT 25°C/77F FOR AO 80LS-23 System**

<b>Property</b>	<b>80LM-23 B Rapid Set</b>
Hardness, Shore D, ASTM D-2240: 1 Day Cure	84
14 Day Cure	88
Glass Transition Temp (Tg) by DSC, 7 day cure	140° F/54.4 °C
Moisture Absorption, 7 days @ 140°F	0.6%
Tensile Strength, ASTM D-648, psi @77°	11,056
Tensile Elongation	4.5%

**PACKAGING WEIGHTS IN LBS**

<b>Material</b>	<b>1 ½ Gallon</b>	<b>Pail</b>	<b>Drum</b>
<b>80LS-23A Resin</b>	9.54	47.6	476
<b>80LS-23B Hardener</b>	4.2	21.0	210

Our Products are intended for sale to industrial and commercial customers. We request that Customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty or merchantability or fitness, nor is protection from any law of patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages

Last updated February 9, 2018

*ISO 9001:2008 Registered Company*