



---

**PROCESSING:**

Laminate cut boards together using Ren-Weld® 103 system. Apply the adhesive to both sides of the glue joint.

Gently clamp the structure and cure overnight at room temperature. Avoid excessive clamping pressure that can induce stress in the finished model.

For a final tool used in applications where it will be exposed to heat or where bondline read-out is unacceptable, consult the Product Selector Guide or your technical sales representative for a suggestion of an adhesive with a more closely-matched thermal coefficient of expansion for your application and temperature range.

---

**RECOMMENDED CURE SHCEDULES:**

<b>Temperature</b>	<b>Full Cure Time</b>	<b>Handling Strength</b>
77°F (25°C)	48 hours	12 hours

**Curing Instructions:** Although room temperature epoxies will normally set up to machine within 24 hours at room temperature, these systems reach their full cure after seven days at room temperature.

---

**PACKAGING:**

This product is available in the following package size(s):

<b>Unit</b>		<b>Weight</b>
Quart kit	<i>System</i>	2.10 lb.
C package	<i>System</i>	10.08 lb.
6-quart	<i>Resin</i>	9.786 lb.
6-pint	<i>Hardener</i>	2.82 lb.

Please call Customer Service (800-367-8793) for price and availability.

---

**STORAGE:**

Ren-Weld<sup>®</sup> 103 should be stored in a dry place, in the sealed original container, at temperatures between +2°C and +40°C (+35.6°F and 104°F). Under these storage conditions, the shelf life is 2 years. The product should not be exposed to direct sunlight.

This product may crystallize upon storage. If crystallized, vent container and heat to 51.7°C and 62.8°C (125-145°F) until crystals dissolve. Stir well after product has liquefied. Stir well before use. This material will separate.

---

**PRECAUTIONARY STATEMENT:**

Huntsman Advanced Materials Americas LLC maintains up-to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

**First Aid!**

Refer to MSDS as mentioned above.

**KEEP OUT OF REACH OF CHILDREN****FOR PROFESSIONAL AND INDUSTRIAL USE ONLY**

---

**IMPORTANT LEGAL NOTICE**

Huntsman Advanced Materials warrants only that its products meet the specifications agreed with the user. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications.

The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication.

While all the information and recommendations in this publication are, to the best of Huntsman Advanced Material's knowledge, information and belief, accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT WITHOUT LIMITATION, AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

The behavior of the products referred to in this publication in manufacturing processes and their suitability in any given end-use environment are dependent upon various conditions such as chemical compatibility, temperature, and other variables, which are not known to Huntsman Advanced Materials. It is the responsibility of the user to evaluate the manufacturing circumstances and the final product under actual end-use requirements and to adequately advise and warn purchasers and users thereof.

Products may be toxic and require special precautions in handling. The user should obtain Safety Data Sheets from Huntsman Advanced Materials containing detailed information on toxicity, together with proper shipping, handling and storage procedures, and should comply with all applicable safety and environmental standards.

Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent on manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

Except where explicitly agreed otherwise, the sale of products referred to in this publication is subject to the general terms and conditions of sale of Huntsman Advanced Materials LLC or of its affiliated companies including without limitation, Huntsman Advanced Materials (Europe) BVBA, Huntsman Advanced Materials Americas Inc., and Huntsman Advanced Materials (Hong Kong) Ltd.

Huntsman Advanced Materials is an international business unit of Huntsman Corporation. Huntsman Advanced Materials trades through Huntsman affiliated companies in different countries including but not limited to Huntsman Advanced Materials LLC in the USA and Huntsman Advanced Materials (Europe) BVBA in Europe.

Ren-Weld, RenShape, Ren are registered trademarks of Huntsman Corporation or an affiliate thereof in one or more, but not all, countries.

Copyright © 2008 Huntsman Corporation or an affiliate thereof. All rights reserved.

**Main Offices :**

**Huntsman Corporation**  
10003 Woodloch Forest Dr.  
The Woodlands  
Texas 77380  
(281) 719-6000

**Huntsman Advanced Technology  
Center**

8600 Gosling Rd.  
The Woodlands  
Texas 77381  
(281) 719-7400

Website :

[www.huntsman.com/advanced\\_materials](http://www.huntsman.com/advanced_materials)