

# WEATHER EVEN THE HARSHTEST CONDITIONS

**ARALDITE® 2053  
adhesive offers  
excellent aging  
resistance for  
long-term durability.**

ARALDITE® 2053 adhesive ensures durable, reliable bonding for most common substrates even in the harshest conditions. The resulting bond resists aging and fatigue, with an elongation rate of more than 50% and a high resistance to hot and wet environments. By distributing stress uniformly over bonded areas, ARALDITE® 2053 adhesive helps maintain physical integrity while enabling lightweight design.

With an optimal open time, and virtually no need for pre-treatment, you can achieve faster production cycles and increased throughput. This all-in-one solution can also help you simplify your inventory and processes, including worker training.

## PRODUCT BENEFITS

- High resistance to hot and wet conditions
- Withstands e-coat and powder coat processes up to 200°C
- High elongation
- Available in multiple pot lives



**MADE POSSIBLE**

**SECURELY BOND MATERIALS WITH DIFFERING THERMAL EXPANSION COEFFICIENTS.**



ARALDITE® 2053 acrylic adhesive is a flexible, two-component adhesive that enables bonding of different materials and provides excellent durability under hot and wet conditions.

**SUPERIOR PERFORMANCE**

**5/15 mins**

5/15 mins pot life at room temperature

<b>20/40 mins</b> Fixture time at room temperature	<b>145,038 psi</b> Tensile modulus
<b>2,175 psi</b> Tensile strength	<b>&gt;50%</b> Elongation at break

**176-212°F**

176-212°F maximum continuous operating temperature\*

\* For the maximum continuous operating temperature, we consider the maximum temperature for which the residual lap shear strength is 1/3 of the lap shear strength at room temperature or the temperature for which the residual lap shear strength is 725 psi.  
\*\* Conditions /parameters of obtained results are available in our TDS.

**MAXIMIZE DURABILITY**

Excellent aging resistance

**90%**

90% strength remaining after 14-days cataplasma test (ISO 9142/E2)\*\*

With our Material Models, you get fast and accurate simulations when qualifying adhesives for your project.

**Click to find your Material Model**



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Ref. No. AdMat\_Araldite 2053\_core range\_EN\_US\_May 2023

**Americas**

Huntsman Advanced Materials Americas Inc.  
10003 Woodloch Forest Drive  
The Woodlands, TX 77380, USA  
Tel.: +1 888 564 9318  
Fax: +1 281 719 4047



BPA free

**Asia Pacific**

Huntsman Advanced Materials (Guangdong) Co., Ltd.  
Shanghai Branch Office  
455 Wenjing Road, Minhang District  
Shanghai 200245, P.R. China  
Tel: +86 21 3357 6588  
Fax: +86 21 3357 6547

**Europe, Middle East & Africa**

Huntsman Advanced Materials (Switzerland) GmbH  
Klybeckstrasse 200  
P.O. Box  
4002 Basel, Switzerland  
Tel.: +41 61 299 1111  
Fax: +41 61 299 1112

For more information: [www.huntsman.com](http://www.huntsman.com)