

# 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

## 20/40 mins

Fixture time at room temperature

## 1 000 MPa

Tensile modulus

## > 15 MPa

Tensile strength

## > 50%

Elongation at break

# 100°C

100°C maximum continuous operating temperature\*

### MAXIMIZE DURABILITY



Excellent aging resistance



# 90%

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

\* 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 5 MPa.

\*\* Conditions /parameters of obtained results are available in our TDS.

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

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#### 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

#### 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



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#### 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)