

WEATHER EVEN THE HARSHTEST CONDITIONS

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

ARALDITE® 2053 adhesive ensures durable, reliable bonding – 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
- High elongation
- Available in multiple pot life



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-min pot life at room temperature

15/30 mins **> 700 MPa**

Fixture time at room temperature

Tensile modulus

> 15 MPa **> 50%**

Tensile strength

Elongation at break

100°C

100°C maximum continuous operating temperature*

MAXIMIZE DURABILITY



Excellent aging resistance



85%

85% strength remaining after 7-day 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.

For more information:
www.huntsman.com

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Ref. No. AdMat_Araldite 2053_core range_EU_EU_July 2020

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