



chemical-concepts.com

800.220.1966

410 Pike Road • Huntingdon Valley, PA 19006

Assembly of large
and complex parts?
Make it simple.

Araldite® 2023

Structural acrylic adhesives

The new range of flexible adhesives
for tough joining and sealing
of large and complex parts



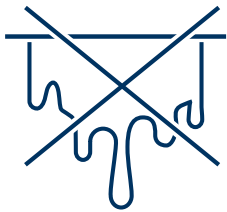
Araldite® 2023

New acrylic adhesives designed for large and complex multimaterial assemblies

The new Araldite® 2023 adhesives are engineered for tough joining and sealing of large parts without sagging, making them ideal for vertical and complex bonding applications.

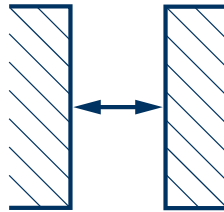
Offering high gap filling and elongation properties, the new flexible adhesives are formulated to improve assembly processes and cosmetic appearance when bonding dissimilar materials such as composites, metals and plastics.

Tough, yet flexible bonds in dynamic environments



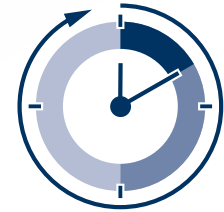
Non-sag

Can be applied to complex geometry, vertical and overhead surfaces



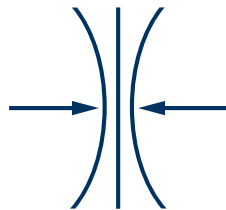
High gap fill

Compensates gaps up to 30 mm



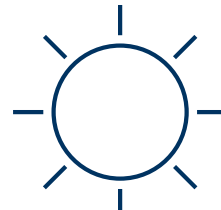
Modular curing

From 10 to 60 minutes for the right open / cure time ratio



Flexible

Compensates for the thermal expansion of different materials and dynamic loadings



UV stable

Bright grey color, will not yellow with age or sunlight

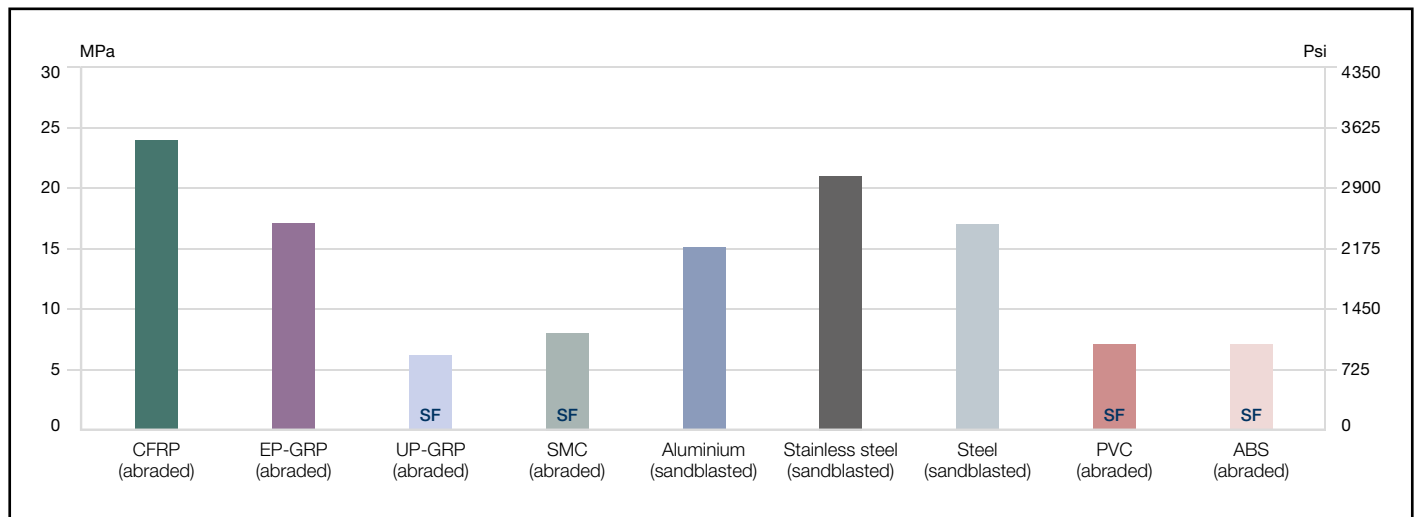
Typical product characteristics at 23°C

	Araldite® 2023-10	Araldite® 2023-30	Araldite® 2023-60
Open time	10 min	30 min	60 min
Time to reach handling strength (1 MPa)	40 min	70 min	100 min
Tensile modulus	700 - 800 MPa		
Elongation at break	> 100%		
UV stability*	No yellowing		
Gap filling	Up to 30 mm		

*1000 h Atlas Suntest XLS+ / 500 W/m²

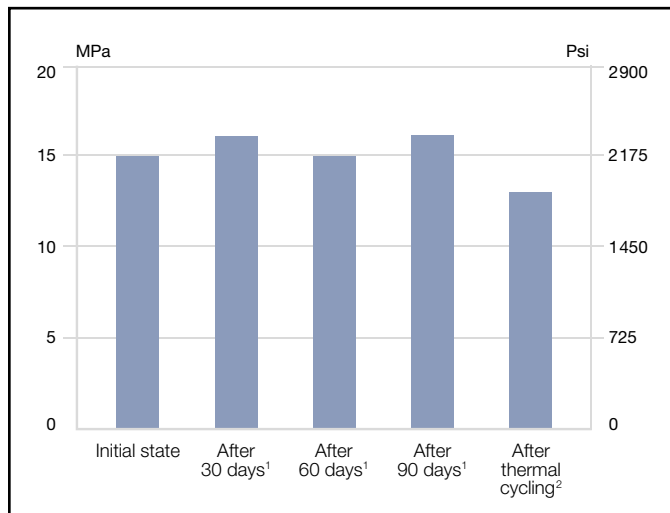
Lap Shear Strength at 23°C

ISO 4587



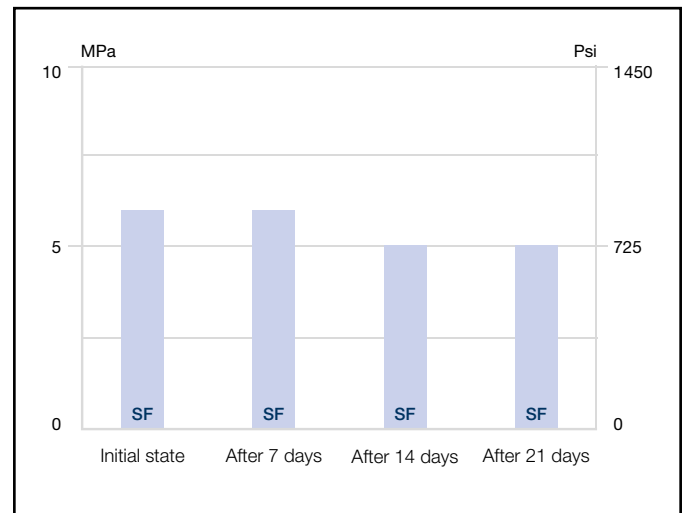
Lap Shear Strength after ageing on aluminium

ISO 4587



Lap Shear Strength after ageing on UP-GRP

Cataplasma ageing ISO 9142-E2



¹Immersion in water | ²Thermal cycling 100 cycles (2h at -30°C / 1h up to 70°C / 2h at 70°C / 1h down to -30°C) | SF: Substrate failure

Huntsman Advanced Materials

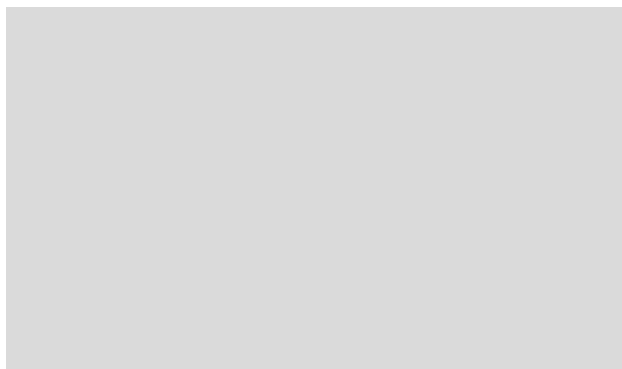
Our Advanced Materials division is a leading global chemical solutions provider with a long heritage of pioneering technologically advanced epoxy, acrylic, phenolic and polyurethane-based polymer products.

Our capabilities in high-performance adhesives and composites, delivered by more than 1 600 associates, serve over 2 000 global customers with innovative, tailor-made solutions and more than 1 500 products which address global engineering challenges.

We operate synthesis, formulating and production facilities around the world



Distributed by



Find the right adhesive to fulfill your needs



www.AralditeAdhesives.com



chemical-concepts.com

800.220.1966

410 Pike Road • Huntingdon Valley, PA 19006

HUNTSMAN

Enriching lives through innovation

For more information

www.huntsman.com/advanced_materials
advanced_materials@huntsman.com

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

Asia Pacific & India

Huntsman Advanced Materials (Guangdong) Co., Ltd.
Room 4903-4906, Maxdo Centre,
8 Xing Yi Road,
Shanghai 200336,
P.R.China
Tel. + 86 21 2325 7888
Fax + 86 21 2325 7808

Americas

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

Legal information

All trademarks mentioned are either property of or licensed to Huntsman Corporation or an affiliate thereof in one or more, but not all, countries.

Sales of the product described herein ("Product") are subject to the general terms and conditions of sale of either Huntsman Advanced Materials LLC, or its appropriate affiliate including without limitation Huntsman Advanced Materials (Europe) BVBA, Huntsman Advanced Materials Americas Inc., or Huntsman Advanced Materials (Hong Kong) Ltd. or Huntsman Advanced Materials (Guangdong) Ltd. ("Huntsman"). The following supercedes Buyer's documents. While the information and recommendations included in this publication are, to the best of Huntsman's knowledge, accurate as of the date of publication, NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A REPRESENTATION OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT OF ANY INTELLECTUAL PROPERTY RIGHTS, OR WARRANTIES AS TO QUALITY OR CORRESPONDENCE WITH PRIOR DESCRIPTION OR SAMPLE, AND THE BUYER ASSUMES ALL RISK AND LIABILITY WHATSOEVER RESULTING FROM THE USE OF SUCH PRODUCT, WHETHER USED SINGLY OR IN COMBINATION WITH OTHER SUBSTANCES. No statements or recommendations made herein are to be construed as a representation about the suitability of any Product for the particular application of Buyer or user or as an inducement to infringe any patent or other intellectual property right. Data and results are based on controlled conditions and/or lab work. Buyer is responsible to determine the applicability of such information and recommendations and the suitability of any Product for its own particular purpose, and to ensure that its intended use of the Product does not infringe any intellectual property rights.

The Product may be or become hazardous. Buyer should (i) obtain Material Safety Data Sheets and Technical Data Sheets from Huntsman containing detailed information on Product hazards and toxicity, together with proper shipping, handling and storage procedures for the Product, (ii) take all steps necessary to adequately inform, warn and familiarize its employees, agents, direct and indirect customers and contractors who may handle or be exposed to the Product of all hazards pertaining to and proper procedures for safe handling, use, storage, transportation and disposal of and exposure to the Product and (iii) comply with and ensure that its employees, agents, direct and indirect customers and contractors who may handle or be exposed to the Product comply with all safety information contained in the applicable Material Safety Data Sheets, Technical Data Sheets or other instructions provided by Huntsman and all applicable laws, regulations and standards relating to the handling, use, storage, distribution and disposal of and exposure to the Product. Please note that products may differ from country to country. If you have any queries, kindly contact your local Huntsman representative.

© 2019 Huntsman Corporation. All rights reserved.
Ref. No. Araldite® 2023 adhesives 09_19_EN_US



Registered for
REACH