

Araldite 2000+ Structural Adhesives for Engineering



Description

Araldite® 2000 PLUS is a portfolio of structural adhesives, optimised to help industrial engineers bring complex plastic and metal-based design projects to life.

The **Araldite® 2000 PLUS** structural adhesives offer complete solutions based on key chemistries – epoxy, methacrylate and polyurethane.

Each product can improve the performance and longevity of the materials they bond, developed to suit the joining of a wide variety of substrates including plastics, metals and composite materials. The range is split into two main areas, dividing products for metal bonding and plastic bonding, which makes it much easier to assess specific performance demands and ultimately find the best solution for customers.

The **Araldite 2000 PLUS** structural adhesives offer high performance and durable long term bonding. It recognises the diverse adhesive needs of industry with its broad range of handling and cure times and the ability to bond a wide range of substrates including metals, composites and plastics. These structural adhesives also cater for particular requirements including heat and chemical resistance and provides a wide range of viscosities to address diverse manufacturing processes.

[Ask us for assistance](#) in selecting an adhesive for your application.

Features & Benefits

- Proven adhesive technology with over 20 years of industry experience
- The ability to satisfy the majority of bonding needs of industrial manufacturing and assembly in a

Araldite 2000+ Structural Adhesives for Engineering



single range

- Convenience of use with easy-to-use small packs and cartridges
- Industry leading technical support

Selector Guide

Araldite 2000+ Structural Adhesives for Engineering



 The image shows the cover of a technical guide. At the top left, there is a dark blue header with the 'HUNTSMAN' logo and the text 'Advanced Materials Araldite adhesives'. The main cover area features a 3D wireframe grid with several colored blocks (blue, grey, black, orange) scattered across it. A central inset image shows a syringe-like applicator. A white callout box with the text 'Adhesives selector guide' points to the central image.	<p>For a comprehensive guide to performance and processing data download: Araldite 2000+ Adhesive Selector Guide</p>
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Key Questions – Answered with the Araldite 2000+ Range

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	Epoxy	Methacrylate	Polyurethane
	<i>Load bearing adhesives good for metals and composites</i>	<i>Fast setting and resilient for composites, thermoplastics and metals</i>	<i>Flexible adhesive for composites and certain thermoplastics</i>
Do you require a multi-purpose adhesive with a rapid cure?	Araldite 2010-1 Araldite 2012	Araldite 2047-1 Araldite 2048-1	
Do you require a multi-purpose adhesives with a long working life?	Araldite 2011		
Do you require a fast cure adhesive?	Araldite 2010-1 Araldite 2012	Araldite 2021-1 Araldite 2047-1 Araldite 2048	Araldite 2026 Araldite 2028-1
Do you have large areas for bonding and/or require a long working life?	Araldite 2013-1 Araldite 2014-2 Araldite 2031-1		

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	Epoxy	Methacrylate	Polyurethane
Do you require high toughness and the ability to bond to different substrates?	Araldite 2010-1 Araldite 2013-1 Araldite 2015	Araldite 2022-1 Araldite 2047-1 Araldite 2048-1	Araldite 2018 Araldite 2029-1
Do you require chemical resistance or performance at high temperatures?	Araldite 2010-1 Araldite 2014-2	Araldite 2052-1	
Do you require an adhesive for gap filling or vertical applications?	Araldite 2013-1 Araldite 2014-2 Araldite 2015 Araldite 2031-1	Araldite 2021-1 Araldite 2022-1 Araldite 2047-1 Araldite 2048-1	Araldite 2029-1
Do you require a flexible adhesive?		Araldite 2048	Araldite 2018 Araldite 2026 Araldite 2028-1
Do you require a transparent adhesive?			Araldite 2026 Araldite 2028-1

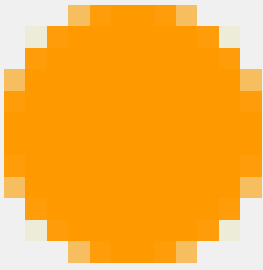
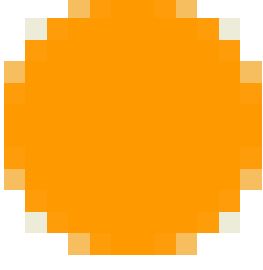
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Adhesive	Chemical Type	Fast Curing	Gap Filling	Description
Araldite 2010-1	Epoxy			<ul style="list-style-type: none"> · Toughened · Low shrinkage · Chemical resistance
Araldite 2011	Epoxy			<ul style="list-style-type: none"> · Multi purpose · Long working life · Low shrinkage
Araldite 2012	Epoxy			<ul style="list-style-type: none"> · Fast curing · General purpose · Low shrinkage

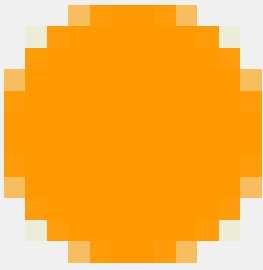
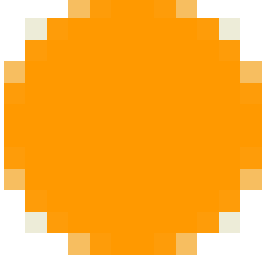
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Adhesive	Chemical Type	Fast Curing	Gap Filling	Description
Araldite 2013-1	Epoxy			<ul style="list-style-type: none">· Metal coloured paste· Suitable for vertical applications· Low shrinkage
Araldite 2014-2	Epoxy			<ul style="list-style-type: none">· Grey paste· High temperature and chemical resistance· Low shrinkage

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Adhesive	Chemical Type	Fast Curing	Gap Filling	Description
Araldite 2015	Epoxy			<ul style="list-style-type: none"> · Toughened paste · Ideal for GRP / SMC and dissimilar substrates · Low shrinkage
Araldite 2018	Polyurethane			<ul style="list-style-type: none"> · Good UV stability · Ideal for bonding thermoplastics · Long working life

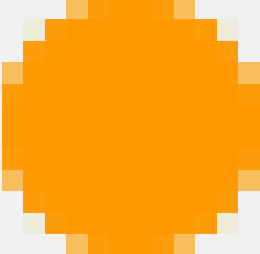
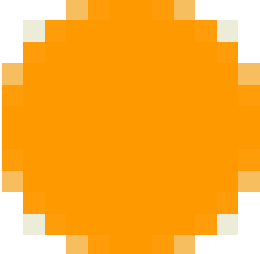
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Adhesive	Chemical Type	Fast Curing	Gap Filling	Description
Araldite 2021-1	Methyl methacrylate			<ul style="list-style-type: none">· Rapid curing· Toughened· Suitable for service at temperatures up to 100 °C
Araldite 2022-1	Methyl methacrylate			<ul style="list-style-type: none">· Excellent ratio working time / cure time· Toughened· Gap filling to 4mm

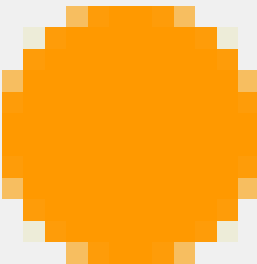
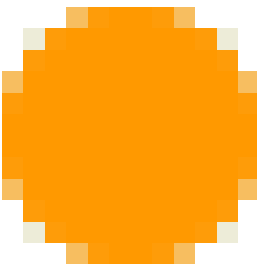
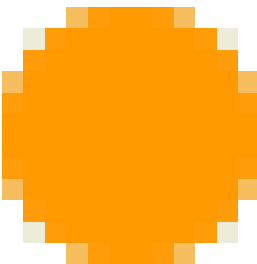
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Adhesive	Chemical Type	Fast Curing	Gap Filling	Description
Araldite 2028-1	Polyurethane			<ul style="list-style-type: none">· Transparent· Fast curing· UV stable
Araldite 2029-1	Polyurethane			<ul style="list-style-type: none">· Medium open time· Designed to bond composites and metals· Adhesion to copper and brass

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Adhesive	Chemical Type	Fast Curing	Gap Filling	Description
Araldite 2031-1	Epoxy			<ul style="list-style-type: none"> · Thixotropic – non slumping · Toughened adhesive with resilient bond · Suitable for metal and composite bonding
Araldite 2047-1	Methyl methacrylate			<ul style="list-style-type: none"> · Gap filling · Requires minimal surface treatment

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Adhesive	Chemical Type	Fast Curing	Gap Filling	Description
Araldite 2048-1	Methyl methacrylate			<ul style="list-style-type: none"> · Flexible · Gap filling
Araldite 2052-1	Methyl methacrylate			<ul style="list-style-type: none"> · Very high temperature and chemical resistance · Tolerant to “less than ideal” pretreatment · Thixotropic and non sagging

Araldite 2000 PLUS adhesives for metals can be used under a broad spectrum of processing and curing conditions and can meet the most demanding performance requirements. The range includes

Araldite 2000+ Structural Adhesives for Engineering



leading-edge epoxy, polyurethane and toughened acrylic technologies providing a complete solution to structural bonding.

Selector Guide

Please [contact us](#) for assistance in choosing the correct **Araldite 2000+** adhesive for your application.

	Mild Steel	Stainless Steel	Aluminium	Copper	Brass	Galvanised Steel	Ferrite
Araldite 2010-1							
Araldite 2011							

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	Mild Steel	Stainless Steel	Aluminium	Copper	Brass	Galvanised Steel	Ferrite
Araldite 2012							
Araldite 2013-1							
Araldite 2014-2							

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	Mild Steel	Stainless Steel	Aluminium	Copper	Brass	Galvanised Steel	Ferrite
Araldite 2015							
Araldite 2018							
Araldite 2021-1							

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	Mild Steel	Stainless Steel	Aluminium	Copper	Brass	Galvanised Steel	Ferrite
Araldite 2022-1							
Araldite 2028-1							
Araldite 2029-1							

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	Mild Steel	Stainless Steel	Aluminium	Copper	Brass	Galvanised Steel	Ferrite
Araldite 2031-1							
Araldite 2047-1							
Araldite 2048-1							

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	Mild Steel	Stainless Steel	Aluminium	Copper	Brass	Galvanised Steel	Ferrite
Araldite 2052-1							

● = Excellent ◐ = Good ○ = Moderate



Plastic Bonding

Araldite 2000 PLUS adhesives for plastics can be used under a broad spectrum of processing and curing conditions and can meet the most demanding performance requirements. The range includes leading-edge epoxy, polyurethane and toughened acrylic technologies providing a complete solution to structural bonding.

Selector Guide

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Araldite 2000+ Structural Adhesives for Engineering



	FGRP (UP)	GRP (EP)	CFRP	SMC	PVC	PA	ABS ASA SAN	PC	PMMA	Ceramic	Glass	Rubber	Wood	
Araldite 2010- 1														
Araldite 2011														
Araldite 2012														

Araldite 2000+ Structural Adhesives for Engineering



	FGRP (UP)	GRP (EP)	CFRP	SMC	PVC	PA	ABS ASA SAN	PC	PMMA	Ceramic	Glass	Rubber	Wood
Araldite 2013- 1													
Araldite 2014- 2													
Araldite 2015													
Araldite 2018													

Araldite 2000+ Structural Adhesives for Engineering



	FGRP (UP)	GRP (EP)	CFRP	SMC	PVC	PA	ABS ASA SAN	PC	PMMA	Ceramic	Glass	Rubber	Wood
Araldite 2021- 1													
Araldite 2022- 1													
Araldite 2028- 1													
Araldite 2029- 1													

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	FGRP (UP)	GRP (EP)	CFRP	SMC	PVC	PA	ABS ASA SAN	PC	PMMA	Ceramic	Glass	Rubber	Wood
Araldite 2031- 1													
Araldite 2047- 1													
Araldite 2048- 1													
Araldite 2052- 1													

Araldite 2000+ Structural Adhesives for Engineering



● = Excellent ◐ = Good ○ = Moderate

● ◐ ○

FGRP(UP): Fibre glass reinforced plastic (urethane base)

GRP (EP): Glass reinforced plastic (epoxy base)

CFRP: Carbon fibre reinforced plastic

SMC: Sheet moulded composite

PVC: Polyvinyl chloride

PA: Polyamide – Nylon, Kevlar, Nomex

ABS, ASA, SAN: Acrylonitrile butadiene styrene, Acrylonitrile styrene acrylate, Styrene acrylonitrile

PC: Polycarbonate – Lexan, Makrolon

PMMA: Acrylic plastic, polymethyl methacrylate – Perspex, Plexiglass

Other Information

How to Use Araldite 2000+ Adhesives




How to Use Araldite 2000+ Adhesives

1. Mix the adhesive components in a clean, dry container. Use a mechanical stirrer to ensure a uniform mixture. Do not use metal tools as they can contaminate the adhesive.
2. Apply the adhesive to the substrate using a brush, roller, or spray nozzle. Ensure a uniform layer of adhesive is applied to the substrate.
3. The adhesive should be applied to the substrate within 10 minutes of mixing. After this time, the adhesive will begin to cure and will not bond to the substrate.
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For our range of Araldite 2000+ adhesives, visit intertronics.co.uk/araldite-2000-structural-adhesive/

INTERTRONICS, 17 Station Road, Exeter, Devon, EX4 4JF, UK. Tel: 01392 841111. sales@intertronics.co.uk

Araldite 2000+ Structural Adhesives for Engineering



[Download the guide: How to use Araldite 2000+ adhesives](#)

Ordering Information

Packaging

Product performance is complemented by innovative packaging designed to assist the user. The **Araldite 2000 PLUS** range is available in cartridge or working pack format to suit the individual application. Also available are [manual, electric and pneumatic guns](#) designed for use with all the Araldite twin cartridges, and replacement mixer nozzles.

Araldite 2000+ Structural Adhesives for Engineering



50ml cartridge and manual dispensing gun



200ml cartridge and pneumatic dispensing gun

Part Number	Description
IDM SMTS4-20	Static mixing nozzle for 50ml 1:1/2:1 cartridges
IDM MFH08-18T	Static mixing nozzle for ARA 2021-1 50ml 1:1 and ARA 2022-1 50ml 1:1 cartridges

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Part Number	Description
IDM SMTS9-24	Static mixing nozzle for 200/400ml 1:1/2:1 cartridges
IDM SMMS5-16	Static mixing nozzle for 50ml 10:1 cartridges
IDM SMMF8-18	Static mixing nozzle for 500ml 10:1 cartridges

Next Steps

Find out more information on [how to purchase](#).

Our technical team are on hand to discuss your application requirements, [click here](#) to get in touch.

Supplied by:

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