

Cromwell Road
Bredbury Park Industrial Estate
Bredbury - Stockport
SK6 2RF
United Kingdom

☎ 0161 494 1345
☎ 0161 430 7908
✉ info@antala.co.uk



ANTALA Ltd.
www.antala.uk

Araldite

HUNTSMAN
Enriching lives through innovation

Key Questions



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ADHESIVES	EPOXY	METHACRYLATE	POLYURETHANE
	Load-bearing adhesives good for metals and composites	Fast setting and resilient for composites, thermoplastics and metals	Flexible adhesive for composites and certain thermoplastics
1. Do you require a multi-purpose adhesive with a rapid cure?	Araldite® 2012	Araldite® 2021 Araldite® 2022 Araldite® 2047-1	Araldite® 2028-1
2. Do you require a multi-purpose adhesive with a long working life?	Araldite® 2011	-	Araldite® 2029-1
3. Do you require a fast cure adhesive?	Araldite® 2010-1 Araldite® 2012	Araldite® 2021 Araldite® 2022 Araldite® 2047-1	Araldite® 2028-1
4. Do you have large areas for bonding and /or require a long working time?	Araldite® 2013 Araldite® 2014-1 Araldite® 2031	-	Araldite® 2018 Araldite® 2029-1
5. Do you require high toughness and the ability to bond different substrates?	Araldite® 2015 Araldite® 2031	Araldite® 2021 Araldite® 2022 Araldite® 2047-1 Araldite® 2048	Araldite® 2029-1
6. Do you require chemical resistance or performance at high temperatures?	Araldite® 2014-1	Araldite® 2052-1	-
7. Do you require an adhesive for gap filling or vertical applications?	Araldite® 2013 Araldite® 2014-1 Araldite® 2015 Araldite® 2031	Araldite® 2021 Araldite® 2022 Araldite® 2047-1 Araldite® 2048	Araldite® 2029-1
8. Do you require a flexible adhesive?	-	Araldite® 2048	Araldite® 2018 Araldite® 2028-1
9. Do you require a transparent adhesive?	-	-	Araldite® 2028-1

This data was obtained from Araldite® 2000plus selector guide 03.15, © 2016 Antala Ltd. All rights reserved.

ARALDITE® 2000+ SELECTOR GUIDE
EPOXY, METHACRYLATE AND POLYURETHANE ADHESIVES

Adhesives selector guide

Product designation	Chemical type	Pot life	Fixure time	Key features	Color	Viscosity	Gap filling capability	E-Modulus	Enlongation at break	Lap shear strenght on aluminum	Maximum service temperature	Resistance to water/ humidity	Resistance to chemicals	Mix Ratio -by weight -by volume	Metals						Thermosets composites				Thermo-plastics				Various substrates							
Conditions		100g at 23°C			mixed											Mild steel	Stainless steel	Galvanized steel	Aluminium	Cooper	Brass	Ferrite	FGRP (UP)	GRP (EP)	CFRP	SMC	PVC	PA	ABS,ASA,SAN	PC	PMMA	Ceramic	Glass	Rubber	Wood	
Unit		min	min			Pa.s	mm	MPa	%	MPa	°C																									

Araldite® 2010-1	EP	10	30	> Toughened > Good chemical resistance	yellow	80	2	2300	4	18	100	•	•••	100:100 100:100																										
Araldite® 2011	EP	100	420	> Multipurpose > Resistent to dynamic loading	pale yellow	40	1	1900	9	26	90	•	••	100:80 100:100																										
Araldite® 2012	EP	6	20	> Short gel time > Multipurpose	yellow	30	0.5	2500	4	18	70	•	•••	100:100 100:100																										
Araldite® 2013	EP	65	240	> Non sagging paste > Multipurpose	grey	thixotropic	5	2250	1	17	70	••	••	100:60 100:100																										
Araldite® 2014-1	EP	60	180	> Resistant to temperature > KIWA approved/ contact with drink water	dark grey	thixotropic	5	4000	1	18	140	•••	•••	100:50 100:50																										
Araldite® 2015	EP	40	240	> Toughened > GL approved > Resistant to whatering	beige	thixotropic	10	2000	5	17	100	•••	••	100:100 100:100																										
Araldite® 2020	EP	45	960	> Very low viscosity > Suitable for clear casting	transparent	0,15	<1	2800	4	16	60	•••	••	100:30 100:35																										
Araldite® 2031	EP	60	240	> Toughened > Resistant to weathering	Black	thixotropic	10	1000	5	18	100	••	••	100:117 100:100																										
Araldite® 2018	PUR	40	240	> UV Stable > Flexible	opaque	8	1	15	45	7	80	••	•	100:95 100:100																										
Araldite® 2028-1	PUR	6	15	> Transparent > UV Stable	transparent	5	<1	15	60	15	55	•	•	100:100 100:100																										
Araldite® 2029-1	PUR	40	240	> High elongation at break > High strenght	dark grey	60	5	550	40	24	80	•	•	100:81 100:100																										
Araldite® 2021-1	MMA	3	8	> Non-sagging > Toughened	yellow	thixotropic	3	2000	5	22	100	••	••	100:90 100:100																										
Araldite® 2022-1	MMA	10	18	> Non-sagging > Toughened	yellow	thixotropic	3	2000	5	25	100	••	•	100:94 100:100																										
Araldite® 2047-1	MMA	10	35	> Bonds difficult metals > Flexible	brown	70	3	850	15	18	100	•	•	100:11 100:10																										
Araldite® 2048	MMA	10	15	> Flexible > Gap filling	red	thixotropic	8	350	90	24	100	•	•	100:11 100:10																										
Araldite® 2052-1	MMA	15	20	> Temperature resistant > Toughened	red	80	3	1700	10	24	140	••	•••	100:12 100:10																										

Suitability: Excelent / Good / Moderate Excelent / Good
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