

# **BIG DOG ADHESIVES**

PRODUCT  
CATALOG

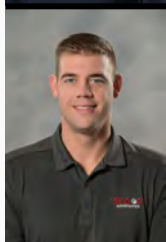


Founded in 2017 by Louis Giovannini, Big Dog Adhesives is a full service adhesives manufacturer in the USA. With our trained team of chemists, Big Dog Adhesives has been delivering the highest quality adhesives to its customers. Our adhesives are formulated with the end user in mind. We don't just match popular industry products, but we make them more beneficial to the person using them. Whether it is adding impact modifiers for more flexibility, adding a great UV package for no yellowing, or adding acids to get the strongest possible bite, Big Dog has got you covered.



## Louis Giovannini

Founder of Big Dog Adhesives. Lou has worked with adhesives for the last 30 years and has been a pivotal part of making MMA Adhesives a product category. He started Big Dog Adhesives after successfully winding down his previous disruptive adhesive company GlueBoss. Specializing in structural and seaming adhesives. Contact at [lou@bigdogadhesives.com](mailto:lou@bigdogadhesives.com)



## Jeremy Dykstra

Vice President of Operations, has been formulating and producing solid surface, stone, and structural adhesives for over 11 years, working at GlueBoss Adhesive Company, and now as a partial owner of Big Dog Adhesives. If you need to get something done, Jeremy is your guy. Contact at [jeremy@bigdogadhesives.com](mailto:jeremy@bigdogadhesives.com)



## Padma Natarajan

Dr. Padma Natarajan, Vice President of R & D joined Big Dog Adhesives as a partial owner in March of 2022. Padma is an integral part of the Big Dog Management Team, leads Big Dog Adhesives in its efforts to be on the cutting edge of adhesive technology. With over 25 years experience in methacrylate technology, epoxy formulation, cyanoacrylate synthesis, UV technology, threadlockers, and sealants. Contact at [padma@bigdogadhesives.com](mailto:padma@bigdogadhesives.com)



## Rob Ward

Technical Director, formally joined Big Dog Adhesives in October 2023 as a partial owner, however, Rob has worked closely with the Management Team at Big Dog for many years, bringing epoxy, cyanoacrylate, and threadlocker knowledge to Big Dog's product offerings. Rob has 20 years of adhesive technology, and can figure out just about anything adhesives. Contact at [rob@bigdogadhesives.com](mailto:rob@bigdogadhesives.com)

# Big Dog 1:1 Ratio MMA Adhesives



Product Code	Work Time (mins)	Fixture Time (mins)	Strength (PSI)	Description
BD300	3 to 6	10 to 15	3,000+	General purpose 5 minute acrylic adhesive with super strong bonds to plastic, fiberglass, ABS, steel, stainless steel & aluminum
BD305	2 to 4	6 to 8	3,000+	Fast Version of BD300
BD310	8 to 12	18 to 25	3,000+	Hard to Bond Surfaces 10 minute acrylic adhesive with super strong bonds to plastic, fiberglass, ABS, steel, stainless steel & aluminum
BD315	12 to 18	25 to 35	3,000+	Hard to Bond Surfaces 10 minute acrylic adhesive with super strong bonds to plastic, fiberglass, ABS, steel, stainless steel & aluminum
BD330	18 to 25	35 to 50	3,000+	Slower Version of BD310
BD350	28 to 35	60 to 70	3,000+	Medium working time adhesive providing super strong bonds to plastic, fiberglass, ABS, steel, stainless steel, and aluminum
BD530	40 to 55	80 to 110	2,500+	Thixotropic, Non Sag, Flexible, Excellent adhesion on fiberglass, metals and plastics. Highly recommended in marine applications
BD560	60 to 75	120 to 180	2,000+	Thixotropic, Non Sag, Flexible, Excellent adhesion on fiberglass, metals and plastics. Highly recommended in marine applications
BD590	90 to 120	180 to 300	2,000+	Very long open time, Thixotropic, Non Sag, Flexible, Excellent adhesion on fiberglass, metals and plastics. Highly recommended in marine applications.
BD5605	8 to 12	20 to 25	2,500+	UV resistant, bonds various plastics, specially designed for PVC trim bonding application.
BD8105	5 to 7	15 to 20	3,000+	Specialized for hot dip Galvanized, Electroplated, E coated and powdered metals. Excellent impact resistance and toughness. Bonds ABS, Polyamides, Nylon and DHPD, FRP, Gel coats
BD8110	8 to 12	25 to 30	3,000+	Specialized for hot dip Galvanized, Electroplated, E coated and powdered metals. Excellent impact resistance and toughness. Bonds ABS, Polyamides, Nylon and DHPD, FRP, Gel coats
BD8120	18 to 22	40 to 50	3,000+	Specialized for hot dip Galvanized, Electroplated, E coated and powdered metals. Excellent impact resistance and toughness. Bonds ABS, Polyamides, Nylon and DHPD, FRP, Gel coats



# Big Dog 10:1 Ratio MMA Adhesives



Product Code	Work Time (mins)	Fixture Time (mins)	Strength (PSI)	Description
BD420	4 to 6	15 to 18	2,500+	Fast curing, flexible adhesive with excellent bonding on variety of metal and composites. Standard adhesive in sign and transportation industry.
BD320	8 to 12	25 to 30	2,500+	Designed to bond wide range of thermoplastics, metals and composites. Due to it excellent bond strength and durability, this product is highly recommended in wind energy, transportation and marine industries.
BD422	17 to 22	35 to 40	2,500+	General purpose rubber toughened 20 minute acrylic adhesive. Recommended for Composite bonding in transportation, RV and marine industries.
BD425	30 to 40	60 to 90	3,000+	General purpose rubber toughened acrylic adhesive with excellent toughness and impact resistance. Recommended for composite bonding in marine and transportation industries.
BD550	38 to 44	70 to 90	2,000+	Bright white, UV stable, rubber toughened long open time acrylic adhesive with superior bonds strength on various plastics, fiberglass, Highly recommended in marine applications. Flexible to withstand expansion of large parts and different CTE
BD312I	3 to 5	8 to 10	2,200+	Fast setting, high elongation rubber toughened acrylic adhesive designed for applications which needs fast fixturing .
BD313I	8 to 12	18 to 25	2,200+	Low temperature flexibility, rubber toughened, excellent bond strength and impact resistance, withstand expansion of large parts and different CTE. Good elongation and has spacers to control bond thickness.
BD314I	18 to 24	30 to 45	2,200+	Super high elongation rubber toughened flexible with low shrinkage properties, Recommended for composite bonding and in marine applications.
BD8000	5 to 7	10 to 15	2,500+	Designed for fast fixture time, superior cold temperature impact strength and excellent bond strength. Recommended for metals, FRP, ABS, Gelcoats.
BD8006	10 to 12	20 to 25	2,500+	Superior impact and peel resistance, excellent bond strength on multiple substrates. Excellent environmental resistance, Contains spacers.
BD8500	18 to 22	30 to 40	2,500+	High bond strength on metals, excellent read through properties, low exotherm, high impact and peel. Recommended for steel, aluminum
BD4005	5 to 7	10 to 12	2,800+	Designed for bonding metals, plastics and composites. Quickly develop high bond strength enabling faster assembly. Specially formulated for no bond line read through(BLRT)properties. Provides superior toughness and excellent impact resistance properties.
BD230HV	80 to 100	190 to 230	2,200+	Highly flexible, marine grade adhesive. Available in 40, 60 and 90 min work time. Excellent adhesion on FRP and other composites.
BD4003	2 to 3	8 to 10	2,200+	Very fast-curing, exceptionally strong, and highly durable acrylic adhesive
BD4005	5 to 6	12 to 15	2,500+	Fast curing premium acrylic adhesive specifically formulated for bonding various metals including galvanized
BD4010	10 to 12	25 to 30	2,500+	Long open time rubber-reinforced acrylic adhesive, designed for flexibility to handle expansion in large components
BD5542	6 to 10	25 to 30	2,500+	Crystal Clear UV Stable, Non-yellowing acrylic adhesive that is weather resistant

# Big Dog 4:1 / 2:1 Ratio MMA Adhesives



Product Code	Work Time (mins)	Fixture Time (mins)	Strength (PSI)	Description
BD403	2 to 4	4 to 6	2,500+	Designed specially for quick bonding applications. Provides a high peel and impact strengths. Excellent bond strength on metals, Has good weather and chemical resistant properties.
BD406	6 to 10	20 to 25	2,500+	Designed specially for quick bonding applications. Provides a high peel and impact strengths. Excellent bond strength on metals, Has good weather and chemical resistant properties.
BD410	20 to 25	50 to 70	2,500+	High performance adhesive designed to bond flexible substrates with no bond line read-through (BLRT). High bond strength with metals and plastics. Provides excellent to weathering and many chemicals.
BD430	25 to 35	60 to 70	2,800+	Designed to bond a wide range of metals including Aluminum, E-Galvanized, Hot dipped Galvanized steel. Gives a precise bond line application. Replaces reverting, welding and other mechanical fastening techniques.

# Big Dog High Performance 1:1 Ratio Epoxy Adhesives

Product Code	Work Time (mins)	Fixture Time (mins)	Strength (PSI)	Viscosity (CPS)	Description
BD5400	-	20	4,000+	Non-Sag Paste	One-part, high viscosity, heat cure epoxy adhesive designed for bonding various metals over a wide range of temperatures
BD5402	2 to 3	6 to 8	2,500+	13,000	For quick metal to metal bonding and repairs.
BD5405	4 to 6	15 to 20	2,500+	13,000	For quick metal to metal bonding and repairs. Also used in electronic potting and Encapsulation
BD54125	20 to 35	60 to 90	2,500+	50,000	Flexible, clear, with excellent shear strength. Bonds metals, woods, plastics and ceramics. Resistant to vibration and shock.
BD5430	20 to 35	60 to 90	2,500+	10,000	General purpose 30 minute longer gelling epoxy adhesive with super strong bonds to metals & various plastics.
BD54750	60 to 90	180 to 240	3,500+	15,000	General purpose longer pot life epoxy adhesive with super strong bonds to metals & various plastics.
BD54190	80 to 100	240 to 600	1,800+	15,000	Longer pot life flexible epoxy with good peel and shear strength. Bonds metals, woods, plastics and ceramics. Resistant to vibration and shock.
BD54110	7 to 11	15 to 20	2,500+	50,000	Flexible and fast curing with good peel strength. Designed to bond metals and various plastics.

## High Performance 2:1 Ratio Epoxy Adhesives

Product Code	Work Time (mins)	Fixture Time (mins)	Strength (PSI)	Viscosity (CPS)	Description
BD54120	100 to 130	240 to 600	4,000+	50,000	Excellent bond strength and peel strength with exceptional durability. Bonds dissimilar metal parts, plastics and ceramics. Excellent electrical properties.
BD54420	15 to 20	30 to 40	4,000+	30,000	High shear strength and excellent peel strength with adhesion properties on metals and plastics. Low halogen content.
BD54460	50 to 70	180 to 240	4,000+	50,000	High shear strength and excellent peel strength with adhesion properties on metals and plastics.
BD54490	90 to 100	200 to 300	3,000+	Non Sag Paste	Used in building composite assemblies. Good toughness and adhesion on metals and plastics properties. Excellent peel strength and high durability.
BD2014	50 to 70	240 to 600	3,500+	Non Sag Paste	Designed for under water application, Low shrinkage, temperature and chemical resistance Properties. Suitable for electronics and aerospace application
BD2031	50 to 70	150 to 180	3,500+	80,000	Specially designed to bond carbon composites, galvanized steel and polyamides. High performance properties with good weather resistance properties.

## Big Dog Adhesives - Potting Epoxy Adhesives

Product Code	Work Time (mins)	Fixture Time (mins)	Mix Ratio	Strength (PSI)	Viscosity (CPS)	Description
BD5030	25 to 30	60 to 80	2:1	2,000+	10,000	Specially designed for bonding, potting and laminating applications where optical clarity is required.
BD5060	55 to 65	100 to 120	2:1	2,000+	10,000	Specially designed for bonding, potting and laminating applications where optical clarity is required.
BD54270	60 to 80	150 to 200	1:1	2,000+	20,000	Ideal product for potting, sealing and encapsulation of electronic components. Non corrosive with good thermal and shock resistance properties.

# Big Dog Low Surface Energy Adhesives



Product Code	Work Time (mins)	Fixture Time (mins)	Strength (PSI)	Description
BD7005	5 to 6	60 to 90	1,000+	Designed specially for quick bonding applications. Provides a high peel and impact strengths. Excellent bond strength on metals, Has good weather and chemical resistant properties.
BD7015	12 to 15	120 to 180	1,000+	Designed specially for quick bonding applications. Provides a high peel and impact strengths. Excellent bond strength on metals, Has good weather and chemical resistant properties.
BD7030	25 to 30	180 to 240	1,000+	High performance adhesive designed to bond flexible substrates with no bond line read-through(BLRT). High bond strength with metals and plastics. Provides excellent to weathering and many chemicals.
BD7060	55 to 60	50 to 70	800+	High performance adhesive designed to bond flexible substrates with no bond line read-through(BLRT). High bond strength with metals and plastics. Provides excellent to weathering and many chemicals.

# Big Dog Low Odor Adhesives

Product Code	Work Time (mins)	Fixture Time (mins)	Strength (PSI)	Description
BD6005	5 to 6	60 to 90	1,000+	Designed specially for quick bonding applications. Provides a high peel and impact strengths. Excellent bond strength on metals, Has good weather and chemical resistant properties.
BD4215	12 to 15	40 to 45	2,000+	Designed specially for quick bonding applications. Provides a high peel and impact strengths. Excellent bond strength on metals, Has good weather and chemical resistant properties.
BD810	10 to 12	18 to 20	3,500+	High performance adhesive designed to bond flexible substrates with no bond line read-through(BLRT). High bond strength with metals and plastics. Provides excellent to weathering and many chemicals.

# Big Dog Adhesives Cyanoacrylics



Product Code	Chemical	Cure Speed/ Fixture	Strength (PSI)	Gap Fill (mils)	Viscosity (CPS)	Description
BDRP-5	Ethyl	5s/8 hrs	2,800+	.002	5	Instant fixing, Strong bonding with metal, plastics and rubbers.
BDRP-30	Ethyl	5s/8 hrs	2,200+	.003	30	Fast Gelling, Strong bonding with metal, plastics and rubbers.
BDRP-100	Ethyl	10s/8 hrs	2,800+	.006	100	Quick Gelling, Strong bonds metal, plastics and rubbers.
BDRP-500	Ethyl	20s/8 hrs	1,500+	.007	500	Medium viscosity, general purpose Industrial grade for bonding metal, plastics, rubbers.
BDRP-2000	Ethyl	60s/8 hrs	3,000+	.008	2,000	Medium to high viscosity, general purpose Industrial grade for bonding metal, plastics, rubbers.
BDRP-4000	Ethyl	60s/8 hrs	3,000+	.008	4,000	High viscosity, general purpose Industrial grade for bonding metal, plastics, rubbers
BDRP-Gel	Ethyl	60s/8 hrs	3,000+	.009	300,000	Thixotropic paste, designed to bond difficult to bond materials. Bonds, wood, leather, fabric, metals, etc.,

## Big Dog Adhesives - Low Odor CA Adhesives

Product Code	Chemical	Cure Speed/ Fixture	Strength (PSI)	Gap Fill (mils)	Viscosity (CPS)	Description
BDLO-5	Alkoxy	60s/ 24hour	2,500+	.002	5	Low odor, low bloom, wicking grade. Bonds metal, plastics, elastomers, fabric, etc.,
BDLO-60	Alkoxy	60s/ 24hours	2,500+	.004	60	Low odor, Low Bloom alkoxy ethyl cyanoacrylate. Bonds metal, plastics, elastomers
BDLO-1000	Alkoxy	40s/ 24hours	2,500+	.008	1,000	Low odor, low bloom Alkoxy ethyl bonding, metal plastics, fabric, leather etc.

## Big Dog Adhesives - Medical Grade CA Adhesives

Product Code	Chemical	Cure Speed/ Fixture	Strength (PSI)	Gap Fill (mils)	Viscosity (CPS)	Description
BDMG-5	Ethyl	45s/8 hrs	2,500+	.007	5	Medical Grade- high bond strength and durability
BDMG-100	Ethyl	45s/8 hrs	2,500+	.007	100	Medical Grade- high bond strength and durability
BDMG-1000	Ethyl	45s/8 hrs	2,500+	.007	1000	Medical Grade- high bond strength and durability
BDMG-2400	Ethyl	45s/8 hrs	2,500+	.007	2400	Medical Grade- high bond strength and durability



# Big Dog Adhesives - Surface Insensitive CA



Product Code	Chemical	Cure Speed/ Fixture	Strength (PSI)	Gap Fill (mils)	Viscosity (CPS)	Description
BDSI-5	Ethyl	5s/8 hrs	2,800+	.002	5	Instant fixing, Strong bonding with metal, plastics, rubbers or surfaces hard to bond to.
BDSI-30	Ethyl	5s/8 hrs	2,200+	.003	30	Fast Gelling, Strong bonding with metal, plastics, rubbers or surfaces hard to bond to.
BDSI-100	Ethyl	10s/8 hrs	2,800+	.006	100	Quick Gelling, Strong bonding metal, plastics, rubbers or surfaces hard to bond to.
BDSI-500	Ethyl	20s/8 hrs	1,500+	.007	500	Medium viscosity, surface insensitive Industrial grade for bonding metal, plastics, rubbers.
BDSI-2000	Ethyl	60s/8 hrs	3,000+	.008	2,000	Medium to high viscosity, surface insensitive Industrial grade for bonding metal, plastics, rubbers.
BDSI-4000	Ethyl	60s/8 hrs	3,000+	.008	4,000	High viscosity, general surface insensitive Industrial grade for bonding metal, plastics, rubbers
BDSI-Gel	Ethyl	60s/8 hrs	3,000+	.009	300,000	Thixotropic paste, designed to bond difficult to bond materials. Bonds, wood, leather, fabric, metals, etc.,

## Big Dog Adhesives - Rubber Toughened CA Adhesives

Product Code	Chemical	Cure Speed/ Fixture	Strength (PSI)	Gap Fill (mils)	Viscosity (CPS)	Description
BDTS-5	Ethyl	5s/8 hrs	2,800+	.002	5	Rubber toughened instant fixing, Strong bonding with metal, plastics and rubbers.
BDTS-30	Ethyl	5s/8 hrs	2,200+	.003	30	Rubber Toughened Fast Gelling, Strong bonding with metal, plastics and rubbers.
BDTS-100	Ethyl	10s/8 hrs	2,800+	.006	100	Rubber Toughened Quick Gelling, Strong bonding metal, plastics, rubbers.
BDTS-500	Ethyl	20s/8 hrs	1,500+	.007	500	Medium viscosity, Rubber Toughened Industrial grade for bonding metal, plastics, rubbers.
BDTS-2000	Ethyl	60s/8 hrs	3,000+	.008	2,000	Medium to high viscosity, Rubber Toughened Industrial grade for bonding metal, plastics, rubbers.
BDTS-4000	Ethyl	60s/8 hrs	3,000+	.008	4,000	High viscosity, Rubber Toughened Industrial grade for bonding metal, plastics, rubbers
BDTS-Gel	Ethyl	60s/8 hrs	3,000+	.009	300,000	Thixotropic paste, Rubber Toughened - Bonds, wood, leather, fabric, metals, etc.,

# Big Dog Adhesives Threadlockers

Product Code	Prevailing Torque	Breakaway Torque	Fixture Time	Gap Fill (mils)	Viscosity (CPS)	Description
AA 222	3 to 6	4 to 8	10 to 20	.2	900 - 1,500	General Purpose , used wherever easy disassembly is required
AA 242	4 to 10	10 to 20	5 to 15	.2	900 - 1,200	Medium strength, thixotropic with control flow, for regular disassembly
AA 243	10 to 15	23 to 30	10 to 15	.25	1,500 to 3,000	Medium strength, fast curing and oil tolerant.
AA 262	20 to 30	15 to 22	5 to 10	.25	1,200 to 2,200	High Strength, General purpose, oil tolerant, good for all metals
AA 263	30 to 35	30 to 35	10 to 15	.2	400 to 600	Permanent lock, oil resistant grade
AA 271	25 to 35	20 to 35	5 to 10	.2	400 to 600	Heavy duty sealing and locking. Fast curing
AA 272	20 to 35	18 to 30	25 to 40	.3	6,000 - 15,000	High temperature resistant, slightly oil tolerant, good for all metals.
AA 277	28 to 35	28 to 35	20 to 30	.3	6,000 to 8,000	Used in locking for larger bolts and nuts. Thixotropic and high strength.
AA 290	20 to 40	5 to 20	20 to 40	-	20 - 40	High Strength Wicking grade

# Big Dog Adhesives Thread Sealants

Product Code	Color	Viscosity (CPS)	Specific Gravity	Description	Product Code	Color	Viscosity (CPS)	Specific Gravity	Description
AA 542	White	500 - 800	1.06	Suitable for sealing fine threads, hydraulic, and pneumatic pipe fittings	AA 567	White	300k - 600k	1.1	Designed with low strength, for tapered threads. Used in chemical processing, automotive, industrial equipment industries. Provides high lubrication.
AA 545	Purple	10,000 - 15,000	1.2	Locks and seals hydraulic and pneumatic metal pipe fittings. Removable strength with high lubricity.	AA 577	Yellow	25,000 - 80,000	1.09	Designed to seal and lock metal pipe fitting. Provides high temperature and chemical resistance.
AA 565	White	175k - 300k	1.1	Seals metal pipes with large threads gaps, used in tanks handling petroleum oils.	AA 592	White	300k - 500k	1.21	Designed to prevent galling on pipe threads. High viscosity and medium strength

# Big Dog Adhesives Retaining Compound



Product Code	Color	Shear Strength	Fixture Time (min)	Viscosity (cps)	Description
AA 603	Green	3,800	30	100 - 150	Bonding cylindrical fitting parts. Tolerant to oil contamination.
AA 620	Green	3,800	30	6,000 - 10,000	High temperature resistance, high strength retaining compound for cylindrical fittings.
AA 635	Green	4,100	60	1,500 - 2,000	High strength applications for bearings, bushes, shafts, etc.,
AA 638	Green	4,500	5	2,000 - 2,500	Designed for fast cure, high strength, bonds cylindrical fittings up to 0.25mm gap.
AA 641	Yellow	1,800	30	700 - 1,000	For cylindrical fittings which needs services often, removable strength for easy disassembly.
AA 648	Green	4,000	5	400 - 600	Low viscosity, high strength, oil tolerant. Works on active metals and plated surfaces.
AA 680	Green	2,800	15	800 - 1,200	Medium viscosity, suitable for slip fits. Works on mild steel, SS and plated surfaces.

## Big Dog Adhesives Gasket Sealants

Product Code	Color	Cure Speed	Specific Gravity	Gap Fill (mils)	Viscosity (CPS)	Description
AA 510	Red	3-6 hrs	>1,700	.02	200k - 800k	Rigid flange sealant. Provides high heat and chemical resistance
AA 515	Purple	1-2 hrs	1.1	.02	200k - 400k	Flexible gasket Sealant.
AA 518	Red	3-12 hrs	>1,700	.05	800k - 2.5 million	Flexible gasket sealant, non corrosive Used as gasket on rigid flange connections like gearbox
AA 574	Orange	1-2 hrs	>1,700	.01	30k - 80k	Fast curing, provides low pressure resistance immediately after assembly of the flanges. Used in gearbox, engine casings, etc.,



## Big Dog Adhesives Popular Packaging Sizes

<b>1oz Bottles</b>	<b>2oz Bottles</b>	<b>1 Pound Bottles</b>	<b>25ml Syringe</b>
<b>50ml Cartridge</b>	<b>200ml Cartridge</b>	<b>400ml Cartridge</b>	<b>600ml Cartridge</b>
<b>825ml Cartridge</b>	<b>5 Gallon Buckets</b>	<b>Drums</b>	<b>Tote</b>

## Big Dog Adhesives Mixing Ratios

<b>1:1 Formula</b>	1:1 ratio adhesive requires equal parts of two components, mixed before application, creating a strong bond ideal for various applications.
<b>2:1 Formula</b>	2:1 ratio adhesive requires mixing two parts of one component with one part of another, creating a powerful bond for diverse applications
<b>4:1 Formula</b>	4:1 ratio adhesive combines four parts of one component with one part of another, ensuring a reliable bond for specific applications
<b>10:1 Formula</b>	10:1 ratio adhesive mixes ten parts of one component with one part of another, providing a versatile and robust bonding solution

**We Private Label For No Added Charge**



CONTACT US



[BIGDOGADHESIVES.COM](http://BIGDOGADHESIVES.COM)

[SALES@BIGDOGADHESIVES.COM](mailto:SALES@BIGDOGADHESIVES.COM)