

Jet- Instant Adhesives

JET-CHEM
INC.



CYANOACRYLATE ADHESIVES

Jet Chemical Products' Instant Adhesives are a family of strong fast-acting, one component clear Adhesives with industrial, medical, and household uses. They are derived from ethyl/methyl cyanoacrylate esters and other related esters.

The Cyanoacrylate group form long and strong chains, which polymerize upon contact with the moisture of the pieces on which they are applied. They are suitable for bonding all materials, rigid or flexible and typically produce an instant or quick adhesion, which allows them to be used successfully in serial production processes. They have high tensile strength, up to 280 Kg / cm² and shear strength up to 210 Kg / cm².

Cyanoacrylate Adhesives have a short shelf life.

When kept unopened in a cool, dry location such as a refrigerator at a temperature of about 55 °F (13 °C), the shelf life of Cyanoacrylate will be extended from about one year from manufacture to at least 15 months. If the adhesive is to be used within six months, it is not necessary to refrigerate it. Cyanoacrylates are moisture-sensitive, and moving from a cool to a hot location will create condensation. After removing from the refrigerator, it is best to let the adhesive reach room temperature before opening. After opening, it should be used within 30 days. Open containers should not be refrigerated.

Jet-Bond: are the original traditional instant cyanoacrylate adhesives.

Jet Extra Bond: are the latest technology instant cyanoacrylate adhesives.

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5380 Jet Extra Bond Reinforced

This instant adhesive reinforced with rubber (elastomer), adheres metal, rubber and plastic parts. Excellent resistance to peeling, impact and cut. Its temperature resistance is also superior.

5403 Jet Extra Bond Low Odor / Low Blooming

Its Low Odor - Low Blooming: makes it perfect for applications in closed environments and / or that require cosmetic appearance. Slow setting time to allow positioning of the parts.

5414 Jet Bond

Multi Purposes Instant Adhesive for General Maintenance and Repair. Excellent adhesion to rubbers.

5401 Jet Extra Bond Surface Insensitive

General Purposes Surface Insensitive Adhesive to gluing difficult surfaces. The regular instant adhesives perform poorly on acidic surfaces. Jet Extra Bond Surface Insensitive excel where others fail. These products provide fast, reliable adhesions and fill large gaps.

5411 Jet Extra Bond

Adhesive formulated with excellent impact and peeling resistance for applications with large gaps and severe environmental conditions.



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5430 & 5496 Jet Bond (Methyl) Low Viscosity

Industrial Grade General Purposes, Instant Adhesive based on Methyl Cyanocrylate. Excellent adhesion selection for fine adjustment metal parts.



5444 Jet Bond

Adhesive designed for assembly and repair electronic circuit boards. Instantly cure with use of the accelerator.

5212 Jet Extra Bond Gel ~ High Temperature

Instant Reinforced Adhesive High Viscosity. Resistant to temperatures up to 121 ° C. Black.



5495 Jet Bond

General purpose adhesive designed to glue pieces of rubber, metal and plastics with gaps up to 0.10mm.

5498 Jet Bond Resistance to Thermal Cycles

Medium Viscosity and High Temperature Resistance Adhesive, for bonding metals, most plastics and rubbers. Temperatures up to 106 ° C continuous or intermittent up to 121 ° C.

5204 Jet Extra Bond High Temperature Resistance

Part of the Family of Reinforced instant adhesives. Excellent Temperature Resistance up to 121°C. Transparent. (Clear).

5210 Jet Extra Bond Resistance to Highest Temperature

Part of the Family of Reinforced Adhesives with highest temperature Resistance up to 121 ° C. Black with low viscosity.

PROPERTIES TABLE

PRODUCT	Typical Use	Color	Gap Filling (mm)	Chemistry	Viscosity cP 20 RPM	**Shear Strength (PSI)*	Temperature Range	Curing Speed	Specific Gravity
5380	Work good for small gaps	Black	0,15	Ethyl Reinforced	200	3,750	-54°C to 107°C	Fixing 90 sec Total - 24 h	1.10
5382	Designed for Electronic Applications. Large gap fills up to 0,008" on a variety of materials.	Clear	0,20	Modified Ethyl	5,000	3,200	-54°C to 121°C	Fixing 30 sec Total - 24 h	1.05
5401	General Purposes	Clear	0,12	Ethyl Surface Insensitive	110	3,200	-54°C to 82°C	Fixing 15 sec Total - 24 h	1.05
5403	Work good for large gaps	Claro	0,20	Alcoxy-Ethyl Low Odor Low Blooming	1,000	2,600	-54°C to 71°C	Fixing 50 sec Total - 24 h	1.10
5404	Adhesion Rubber "O" Rings	Clear	0,12	Ethyl	80	3,500	-54°C to 82°C	Fixing 30 sec Total - 24 h	1.09
5406	Penetrating Grade	Clear	0,20	Ethyl	20	3,200	-54°C to 82°C	Fixing 15 sec Total - 24 h	1.05
5408	Penetrating Grade	Clear	0,05	Alcoxy-Ethyl Low Odor Low Blooming	5	2,600	-54°C to 71°C	Fixing 50 sec Total - 24 h	1.05
5409	Gel- General Purposes	Clear	0,25	Ethyl	Gel	3,200	-54°C to 82°C	Fixing 75 sec Total - 24 h	1.10
5410	Work good for large gaps	Black	0,20	Ethyl Reinforced	3,500	3,200	-54°C to 107°C	Fixing 90 sec Total - 24 h	1.07
5411	Work good for large gaps	Clear	0,20	Ethyl Reinforced	5,000	3,200	-54°C to 99°C	Fixing 30 sec Total - 24 h	1.07
5412	Temporary Bonding Applications	Clear	0,05	Ethyl	3	1,500	-54°C to 82°C	Fixing 15 sec Total - 24 h	1.05
5414	Plastics Adhesion	Clear	0,15	Ethyl	110	3,200	-54°C to 82°C	Fixing 20 sec Total - 24 h	1.05
5415	Metals Adhesion Large Gaps	Clear	0,20	Methyl	1,500	3,600	-54°C to 82°C	Fixing 30 sec Total - 24 h	1.09
5416	Plastics Adhesion Large Gaps	Clear	0,20	Ethyl	1,500	3,200	-54°C to 82°C	Fijación- 30 sec Total - 24 h	1.05
5417	Temporary Bonding	Clear	0,05	Ethyl	3	400	-54°C to 82°C	Fixing 30 sec Total - 24 h	1.05
5420	Plastics Penetrating Grade	Clear	0,05	Ethyl	2	2,900	-54°C to 82°C	Fixing 20 sec Total - 24 h	1.05
5422	Plastics Large Gaps	Clear	0,20	Ethyl	2,500	3,200	-54°C to 82°C	Fixing 30 sec Total - 24 h	1.09
5426	Porous Surfaces	Black	0,25	Ethyl Reinforced	Gel	3,000	-54 ° C to 99 ° C	Fixing 20 sec Total - 24 h	1.10
5430	Metals Adhesion Small Gaps	Clear	0,12	Ethyl	80	3,600	-54°C to 82°C	Fixing 30 sec Total - 24 h	1.09

* Sandblasted Steel **Varies according to Substrate

CYANOACRYLATE ADHESIVES

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CYANOACRYLATE ADHESIVES

PRODUCT	Typical Use	Color	Gap Filling (mm)	Chemistry	Viscosity cP @ 20 RPM	**Shear Strength (PSI)*	Temperature Range	Curing Speed	Specific Gravity
5444	For tacking electronic components. Wire tacking to coil forms, etc.	Clear	0,18	Ethyl	700	3,200	-54°C to 82°C	Fixing 30 sec Total - 24 hrs	1.05
5454	Porous Surfaces	Clear	0,25	Ethyl Surface Insensitive	Gel	3,200	-54°C to 82°C	Fixing 15 sec Total - 24 hrs	1.05
5455	Porous Surfaces	Clear	0,15	Alcoxy - Ethyl Low Odor / Low Blooming	Gel	2,600	-54°C to 71°C	Fixing 90 sec. Total - 24 hrs	1.10
5460	Small Gaps	Clear	0,10	Alcoxy - Ethyl Low Odor / Low Blooming	45	2,600	-54°C to 71°C	Fixing 50 sec Total - 24 hrs	1.10
5480	Multi Purposes	Clear	0,15	Ethyl Reinforced	300	3,800	-54°C to 99°C	Fixing 90 sec Total - 24 hrs	1.10
5493	Penetrating Metals	Clear	0,05	Methyl	2	3,600	-54°C to 82°C	Fixing 30 sec Total - 24 hrs	1.09
5495	General Purposes	Clear	0,10	Ethyl	45	2,750	-54°C to 82°C	Fixing 20 sec Total - 24 hrs	1.05
5496	Metals General Purposes	Clear	0,15	Methyl	125	3,600	-54°C to 82°C	Fixing 30 sec Total - 24 hrs	1.09
5498	Thermal Cycling Product for all metals, and most plastics and rubbers.	Clear	0,18	Ethyl	500	3,000	-54°C to 121°C	Fixing 50 sec Total - 24 hrs	1.10
5499	Thermal Cycling Gel	Clear	0,25	Ethyl	Gel	3,200	-54°C to 93°C	Fixing 75 sec Total - 24 hrs	1.10
5203	Small Gaps	Clear	0,12	Ethyl	375	2,200	-54°C to 121°C	Fixing 30 sec Total - 24 hrs	1.10
5204	Large Gaps	Clear	0,20	Ethyl	4,000	2,100	-54°C to 121°C	Fixing 30 sec Total - 24 hrs	1.10
5205	Porous Surfaces	Clear	0,25	Ethyl	Gel	2,300	-54°C to 121°C	Fixing 30 sec Total - 24 hrs	1.10
5210	Small Gaps	Black	0,12	Ethyl	160	3,600	-54°C to 121°C	Fixing 120 sec Total - 24 hrs	1.10
5211	Large Gaps	Black	0,18	Ethyl	2,500	3,600	-54°C to 121°C	Fixing 210 sec Total - 24 hrs	1.07
5212	Porous Surfaces	Black	0,20	Ethyl	11,000	3,900	-54°C to 121°C	Fixing 360 sec Total - 24 hrs	1.05
5471	Large Gaps	Clear	0,18	Ethyl Surface Insensitive	600	3,200	-54°C to 82°C	Fixing 10 sec. Total - 24 hrs	1.10

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