



# Protac<sup>®</sup> Cyanoacrylate Adhesives

*High performance manufacturing  
cyanoacrylate adhesives.*

**Protac<sup>®</sup>**  
Advanced Adhesives

**High performance manufacturing adhesives**

The Protac® range of cyanoacrylate adhesives are one-component, solvent-free instant adhesives designed to bond a wide range of materials. Protac® cyanoacrylate adhesives offer extremely fast cure speeds on a wide variety of substrates which include plastics, metals, ceramics and rubbers.

Our range of cyanoacrylates provide assemblies with excellent mechanical properties. To cover all applications, our range includes different viscosities, formulations and product specifications. The Protac® range of Cyanoacrylates are the result of years of development work. Cyanoacrylate applications are extremely diverse and are used in industry sectors such as medical devices, cosmetics, rubber, automotive and electronics.

| <b>Industrial</b> |   |        |                |               |
|-------------------|---|--------|----------------|---------------|
| Protac®           | Applications  | Colour | Chemistry      | Viscosity cPs |
| 4301              | Meets Military specification MLLA 46050 Type II Class II. Super fast, surface insensitive, bonds in seconds ceramics, leathers, aluminium. Ideal where acid content in substrates is present. | Clear  | Ethyl          | 80-120        |
| 4305              | Low viscosity, fast curing, bonds plastic, rubber, metals and other common substrates. Relies less on surface moisture for cure speed.  | Clear  | Modified Ethyl | 2-5           |
| 4306              | High performance, low viscosity, formulated for bonding elastomers and rubbers. Certified Medical Grade   | Clear  | Ethyl          | 30-40         |
| 4315              | Medium-high viscosity, surface insensitive, suitable for bonding a wide range of materials.   | Clear  | Ethyl          | 1400-1600     |
| 4354              | Very high viscosity, surface insensitive gel, formulated for bonding metal, wood, plastic, rubber and other common substrates.  | Clear  | Ethyl          | Gel           |
| 4371              | Meets Military specification MLLA 46050 Type II Class II. Medium viscosity, fast cure, formulated specifically for difficult to bond surfaces producing high bond strengths.                  | Clear  | Ethyl          | 600           |

| <b>Low Odour Low Bloom</b> |   |        |              |               |
|----------------------------|---|--------|--------------|---------------|
| Protac®                    | Applications  | Colour | Chemistry    | Viscosity cPs |
| 4303                       | Medium-high viscosity, low volatility. Ideal for plastic, rubber and other common substrates. | Clear  | Alkoxy Ethyl | 1000-1200     |
| 4308                       | Low viscosity, low volatility, wicking grade. Ideal for all common substrates.                | Clear  | Alkoxy Ethyl | 3-5           |
| 4360                       | Medium viscosity, low volatility. Ideal for plastic, rubber and other common substrates.      | Clear  | Alkoxy Ethyl | 80-120        |

| <b>Black Rubber Toughened – Shock and Impact Resistant</b> |  |        |                |               |
|--|--|--------|----------------|---------------|
| Protac®  | Applications   | Colour | Chemistry      | Viscosity cPs |
| 4310   | High viscosity. Rubber toughened ethyl cyanoacrylate based adhesive. The product is designed to give increased flexibility with excellent peel strength and resistance to shock and impact.          | Black  | Ethyl          | 1750-2250     |
| 4326   | Long cure time. Rubber toughened modified ethyl cyanoacrylate based adhesive. The product is designed to give increased flexibility with excellent peel strength and resistance to shock and impact. | Black  | Modified Ethyl | Gel           |
| 4380   | Low-medium viscosity. Rubber toughened ethyl cyanoacrylate based adhesive. The product is designed to give increased flexibility with excellent peel strength and resistance to shock and impact.    | Black  | Modified Ethyl | 500-700       |



**High performance manufacturing adhesives**

## Metal Bonding

| Protac® | Applications   | Colour | Chemistry      | Viscosity cPs |
|---------|--|--------|----------------|---------------|
| 4315-M  | Medium viscosity cyanoacrylate adhesive formulated specifically to bond metals and metal-rubber assemblies.  | Clear  | Modified Ethyl | 1400-1600     |
| 4393    | Meets Military specification MLLA 46050C Type I Class I. Low viscosity, fast cure Methyl cyanoacrylate adhesive formulated specifically to bond metals and metal-rubber assemblies. It can be used as a metal bonding wicking grade. | Clear  | Methyl         | 2-5           |
| 4396    | Low viscosity cyanoacrylate adhesive formulated specifically to bond metals and metal-rubber assemblies.   | Clear  | Modified Ethyl | 80-120        |

## High Temperature

| Protac® | Applications  | Colour | Chemistry      | Viscosity cPs |
|---------|---|--------|----------------|---------------|
| 4344    | Meets Military specification MLLA 46050 Type II Class II. Surface insensitive cyanoacrylate adhesive. It is specifically formulate for wire tacking applications.   | Clear  | Modified Ethyl | 700           |
| 4398    | Fast cure speed and excellent thermal resistance. It is specifically formulated to bond various rubbers, metals and plastics for use in challenging environments. Excellent hot strength and heat aging capabilities at temperatures up to 120°C for periods in excess of 3000 hours. | Clear  | Modified Ethyl | 500           |

## Wicking

| Protac® | Applications   | Colour | Chemistry      | Viscosity cPs |
|---------|--|--------|----------------|---------------|
| 4305    | Low viscosity, fast curing, bonds plastic, rubber, metals and other common substrates. Relies less on surface moisture for cure speed. | Clear  | Modified Ethyl | 2-5           |
| 4308    | Low viscosity, low volatility, wicking grade. Ideal for all common substrates.   | Clear  | Alkoxy Ethyl   | 3-5           |

## Gels

| Protac® | Applications  | Colour | Chemistry      | Viscosity cPs |
|---------|---|--------|----------------|---------------|
| 4326    | Black rubber toughened cyanoacrylate adhesive with excellent peel and shock resistance. It is specifically formulated to bond difficult to bond substrates producing high bond strengths. Service temperature is 110°C.         | Black  | Modified Ethyl | Gel           |
| 4354    | Formulated for high strength, general purpose bonding. The gel formulation is suitable for bonding poorly mating components and for porous substrates. For use on vertical and over-head surfaces as it will not drip or slump. | Clear  | Ethyl          | Gel           |

## Activators / Primers / De-bonders

| Protac® | Applications                                    | Packaging     | Drying Time Seconds |
|---------|---|---------------|---------------------|
| DB9     | Cyanoacrylate adhesive Debonder.                | 1 litre       | <60                 |
| AC200   | Cyanoacrylate adhesive accelerator.             | 200ml Aerosol | <60                 |
| AC77    | Polyolefin and other low surface energy primer. | 1 litre       | <60                 |



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# NovaChem

*Innovative Adhesive Formulations*

*Innovative formulations based  
on proven chemistries.*



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