



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



*High performance  
manufacturing cyanoacrylate  
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



High performance manufacturing adhesives

# NovaChem

*Innovative Adhesive Formulations*

*Innovative formulations based  
on proven chemistries.*



Novachem Corporation Ltd  
U4 Dunboyne Industrial Estate  
Dunboyne  
Co. Meath  
Ireland

Tel: 00353-1-802-6554

Email:  
sales@novachem.ie  
technicalservices@novachem.ie  
info@novachem.ie

www.novachem.ie

Novachem Corporation UK  
86 – 90 Paul Street  
London  
EC2A 4NE  
England

Tel: 0044 (0) 20 8144 2098

Email:  
sales@novachem-uk.co.uk  
technicalservices@novachem-uk.co.uk  
info@novachem-uk.co.uk

www.novachem-uk.co.uk