



Protac[®] Structural Adhesives



*The world's toughest
Methacrylate Structural
Adhesives.*



High performance manufacturing adhesives

Protac® Structural Acrylic Adhesives

We offer the latest technology and most advanced Structural Acrylics available. This range offers increased strength and flexibility, and provides the next stage in structural load bearing capacities on a range of substrates. Fixture times range from 45 seconds to 90 minutes depending on the grade and application requirements.

Protac® MMA's can withstand paint bake cycles, including powder coating and electron coating at typically 220°C – 230°C for up to 35 minutes with no loss of strength. The difference in viscosity and cure times enables manufacturers to choose the grade that best suits their production processes. No other grade range offers the combination of physical properties, ease of use and superior mechanical strengths for bonding engineering plastics, composites and metals.

We offer a full line of high performance two-component methacrylate structural adhesives for a wide variety of applications. Structural Methacrylate Adhesives (MMA's) are commonly used as structural adhesives due to their excellent strength, impact resistance, thermal shock, fatigue resistance and peel strength.

The following is a list of front line grades and packaging options available. We offer also custom formulation and packaging options based on customer requirements. Please contact us directly for further information.

Protac®	Packaging	Colour	Working Time mins	Fixture Time mins	Temp. °C	Mix Ratio	Application
7300	50ml 400ml	Natural	5-8	10-12	-40/+120	1:1	Structural adhesive with excellent adhesion to plastics and metals. Ideal for a wide range of manufacturing applications for dissimilar materials, substrates and surface types.
7302	50ml 400ml	Green	2-3	5	-40/+125	1:1	Very fast cure. Structural Adhesive. Excellent adhesion to plastics and metals. Wide range of manufacturing applications.
7310	50ml 400ml	Natural	8-10	18-22	-40/+120	1:1	High performance structural adhesive. Formulated to bond a wide variety of metal and plastic based substrates, dissimilar materials and surface types.
7318	50ml 400ml	Ultra White	6-9	22-27	-40/+120	1:1	Ultra white formulation with excellent impact, peel and shear resistance. High strength, high elongation with excellent load distribution. Excellent low and high temperature properties. Room temperature cure with 6-9 minute working time.
7411-CM	50ml 400ml	Clear	30-75 secs	3	-40/+125	1:1	Clear metal and plastic structural acrylic. Toughened structural methacrylate adhesive specifically formulated for bonding wide variety of metals, thermoplastics, thermosets, PMMA, ABS, PC and composite assemblies.
7411-CP	50ml 400ml	Clear	1-2	3	-40/+125	1:1	Clear metal and plastic structural acrylic. Toughened structural methacrylate adhesive specifically formulated for bonding wide variety of thermoplastics, thermosets, PMMA, ABS, PC and composite assemblies.



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Protac®	Packaging	Colour	Working Time min	Fixture Time min	Temp. °C	Mix Ratio	Application
7319	50ml 490ml	Ultra White	18-22	45-60	-40/+150	10:1	Ultra white formulation with excellent impact, peel and shear resistance. High strength, high elongation with excellent load distribution. Excellent low and high temperature properties. Room temperature cure with 18- 22 minute working time.
7480	50ml 490ml	Natural Black	10	15-30	-40/+200	10:1	Superior impact, peel and shear resistance. Excellent low and high temperature properties. Suitable for paint bake cycle applications up to 200°C with no loss of mechanical properties. Elongation 60%. Shore D75.
7485	50ml 415ml	Natural	8	13	-40/+200	4:1	Suitable for paint bake cycle applications up to 200°C with no loss of mechanical properties. Combined at a 4:1 mix ratio, non sagging thixotropic formulation. Superior impact, peel and shear resistance. Excellent low and high temperature properties. Elongation 200%. Shore D55.
7490	50ml 490ml	White	90	120	-40/+150	10:1	Long open time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties. Ideal for bonding a wide variety of metals, glass, carbon fibre, thermoplastics, thermosets and composite assemblies.
7400	50ml 490ml	Cream	2-3	120-180	-55/+125	10:1	Formulated to bond low surface energy plastics including many grades of Polypropylene, Polyethylene, TPO, UHMWPE and Teflon without the use of a primer or other surface treatments. Excellent humidity and water resistance properties.
7430-5	50ml 490ml	Natural Black	2	5	-40/+200	10:1	30% Elongation. Short 5 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties. Suitable for paint bake cycle applications up to 200°C with no loss of mechanical properties.
7430-15	50ml 490ml	Natural Black	7	15	-40/+200	10:1	30% Elongation. Medium 15 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties. Suitable for paint bake cycle applications up to 200°C with no loss of mechanical properties.
7430-45	50ml 490ml	Natural Black	20	45	-40/+200	10:1	30% Elongation. Long 45 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties. Suitable for paint bake cycle applications up to 200°C with no loss of mechanical properties.
7430-60	50ml 490ml	Natural Black	30	60	-40/200	10:1	30% Elongation. Long 60 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties. Suitable for paint bake cycle applications up to 200°C with no loss of mechanical properties.
7415-5	50ml 490ml	Natural	2	5	-40/+150	10:1	150% Elongation. Short 5 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties.
7415-15	50ml 490ml	Natural	7	15	-40/+150	10:1	150% Elongation. Medium 15 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties.
7415-45	50ml 490ml	Natural	20	45	-40/+150	10:1	150% Elongation. Long 45 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties.
7440-5	50ml 490ml	Black	2	5	-40/+150	10:1	300% Elongation. Short 5 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties.
7440-15	50ml 490ml	Black	7	15	-40/+150	10:1	300% Elongation. Medium 15 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties.
7440-45	50ml 490ml	Black	20	45	-40/+150	10:1	300% Elongation. Long 45 minute handling time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties.



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NovaChem

Innovative Adhesive Formulations

*Innovative formulations based
on proven chemistries.*



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