



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. The following property table outlines the most popular grades with specifications. Custom formulation and a variety of packaging options are available.

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 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® 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.

Protac®	Packaging	Colour	Working Time min	Fixture Time min	Temp. °C	Mix Ratio	Application
7420	50ml 490ml	Natural Black	4-6	15-18	-40/+250	10:1	High temperature. Excellent impact, peel and shear resistance. High strength, high elongation with excellent load distribution. Excellent low and high temperature properties. Room temperature cure with 4-6 minute working time. Achieves 80% ultimate strength in 18 minutes.
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	6	12	-40/+200	10:1	No loss of mechanical properties when used for paint bake cycle applications up to 200°C. Superior impact, peel and shear resistance. Excellent low and high temperature properties.
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/+180	10:1	30% Elongation. Short 5 minute fixture 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/+180	10:1	30% Elongation. Medium 15 minute fixture 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/+180	10:1	30% Elongation. Long 45 minute fixture 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 fixture 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 fixture 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 fixture 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 fixture 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 fixture 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 fixture time. Excellent impact, peel and shear resistance. Excellent low and high temperature properties.



High performance manufacturing adhesives

NovaChem

Innovative Adhesive Formulations

*Innovative formulations based
on proven chemistries.*



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