



Optimax[®] Polyurethane Adhesives

Two-component formulations for multiple
High-Tech manufacturing applications.



High performance manufacturing adhesives

Optimax® Two component Polyurethanes

Optimax® two-component polyurethane adhesives are high performance engineering products for difficult bonding, sealing and potting applications. They are the products of choice when fast cure, flexibility, superior bond strength and chemical resistance are needed.

These two-component polyurethanes cure to give tough, resilient structural bonds. Polyurethanes exhibit excellent temperature performance, resistance to oils and chemicals and are a highly versatile product group.

Electronic component potting applications

We offer a number of fast curing two-component polyurethanes which are specifically designed and developed for use in electronic component potting applications. Cure speed varies depending on the grade. Cure times from 7 to 40 minutes are available.

Custom formulation

Our range of polyurethane adhesives can be custom formulated to suit any application requirements, covering a number of application methods. Contact us directly with your application specifications.

Optimax® Two component Polyurethanes – Flexible Polymers

Optimax®	Description	Colour	Hardness	Working Time mins
8006	Ultra fast cure. Two-component polyurethane adhesive specially designed for structural bonding applications. Ultimate strength and flexibility.	Black Clear	85A	1
8085	Medium-long cure speed. Two-component polyurethane adhesive specially designed for structural bonding applications. Ultimate strength and flexibility.	Black Clear	85A	15
8087	Short working time. Two-component polyurethane adhesive specially designed for structural bonding applications. Ultimate strength and flexibility.	Black Clear	85A	5

Optimax® Two component Polyurethanes – Doming & Casting Resins

Optimax®	Description	Colour	Shore	Gel Time	Demould Time	Full Cure	Pack Sizes	Cast Size	Cure
8130	Two-component, room temperature curing, UV resistant, rigid polyurethane designed for doming, badging, potting and casting applications. Self-levelling.	Optically Clear	84D	7 mins	50 mins	24 hours	50ml/400ml 5/25/200L	1-5mm	RT Cure
8134	Two-component, room temperature curing, UV resistant, flexible polyurethane designed for doming, badging, potting and casting applications. Self-levelling.	Optically Clear	45D	15 mins	60 mins	720 mins	50ml/400ml 5/25/200L	1-5mm	RT Cure
8138	Two-component, room temperature curing, UV resistant, rigid polyurethane designed for doming, badging, potting and casting applications. Self-levelling.	Optically Clear	84D	12 mins	90 mins	20 hours	50ml/400ml 5/25/200L	1-5mm	RT Cure
8131	Two-component, room temperature/heat cure, UV resistant, rigid polyurethane designed for doming, badging, potting and casting applications. Self-levelling.	Optically Clear	84D	40 mins	100 mins	RT-24 hours or 4 hours @ 60°C	400ml 5/25/200L	5-20mm	RT Cure or Heat Cure
8132	Two-component, heat cure, UV resistant, rigid polyurethane designed for doming, badging, potting and casting applications. Designed for very large casting applications. Self-levelling.	Optically Clear	84D	80 mins	600 mins @ 60°C	5 hours @ 80°C	5/25/200L	5-20mm	Heat Cure



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Optimax® Two component Polyurethanes – Rigid Polymers

Optimax®	Description	Colour	Shore	Working Time mins	Bonding Time Mins	Full Cure mins
8104	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black Clear	80D	1	5	240
8105	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	5	15	480
8107	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	70D	5	15	480
8112	Two-component polyurethane adhesive specially designed for structural bonding applications.	Clear	60D	45 sec	3	180
8113	Two-component polyurethane adhesive specially designed for structural bonding applications.	Grey	80D	1	5	240
8115	Two-component polyurethane adhesive specially designed for structural bonding applications.	Grey	80D	5	15	480
8116	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	20	60	720
8120	Two-component polyurethane adhesive specially designed for structural bonding applications.	Amber	80D	1	5	240
8124	Two-component polyurethane adhesive specially designed for structural bonding applications.	White	65D	5	15	480
8126	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black Clear	80D	30 sec	2	180
8128	Two-component polyurethane adhesive specially designed for structural bonding applications.	Clear	60D	5	15	480
8230	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black Clear	85A	40	80	24H

Potting and Encapsulation – Self Levelling Polyurethanes

Optimax®	Description	Colour	Shore	Working Time mins	Bonding Time Mins	Full Cure mins
8006-SL	Two-component, room temperature curing, odourless, self levelling polyurethane designed for a wide range of potting and encapsulation applications.	Black Clear	85A	1	5	240
8085-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Black Clear	85A	15	60	720
8113-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Grey	80D	1	5	240
8115-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Grey	80D	5	15	480
8116-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Black Clear	80D	20	60	720
8117-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Black Clear	80D	60	180	24H
8128-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Black Clear	75D	5	15	480
8087-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Black Clear	85A	5	15	480
8205-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Black/Clear Grey	40D	5	15	480
8230-SL	Two-component, room temperature curing, odourless, self levelling, polyurethane specially designed for a wide range of potting and encapsulation applications.	Black Clear	85A	40	80	24 H



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NovaChem

Innovative Adhesive Formulations

*Innovative formulations based
on proven chemistries.*



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