



# Optimax<sup>®</sup> 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/Translucent	85A	1
8085	Medium-long cure speed. Two-component polyurethane adhesive specially designed for structural bonding applications. Ultimate strength and flexibility.	Black/Translucent	85A	15
8087	Short working time. Two-component polyurethane adhesive specially designed for structural bonding applications. Ultimate strength and flexibility.	Black/Translucent	85A	5

## Optimax® Two component Polyurethanes – Doming & Casting Resins

Optimax®	Description	Colour	Hardness	Working Time mins	Viscosity mPas
8091	Optically clear casting resin. Applications include casting, doming, badging, potting and coating. Self levelling. UV stable. Flexible.	Optically Clear	60A	15	600
8130	Optically clear casting resin. Applications include casting, doming, badging, potting and coating. Self levelling. UV stable. Rigid.	Optically Clear	84D	7	350
8131	Optically clear casting resin. Applications include casting, doming, badging, potting and coating. Self levelling. UV stable. Rigid.	Optically Clear	84D	40	350
8132	Optically clear casting resin. Applications include casting, doming, badging, potting and coating. Self levelling. UV stable. Rigid.	Optically Clear	84D	80	350
8134	Optically clear casting resin. Applications include casting, doming, badging, potting and coating. Self levelling. UV stable. Rigid.	Optically Clear	72D	15	650



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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	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.	Trans	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/Trans	80D	30 sec	2	180
8128	Two-component polyurethane adhesive specially designed for structural bonding applications.	Translucent	60D	5	15	480

## Potting and Encapsulation

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
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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