



Optimax[®] Polyurethane Adhesives

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

OPTIMAX[®]

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 - Elastomers

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

OPTIMAX®

High performance manufacturing adhesives

Optimax® Two component Polyurethanes – Rigid Polymers

Optimax®	Description	Colour	Hardness	Working Time mins
8104	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	1
8105	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	5
8106	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	1
8107	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	70D	5
8112	Two-component polyurethane adhesive specially designed for structural bonding applications.	Translucent	60D	45 sec
8113	Two-component polyurethane adhesive specially designed for structural bonding applications.	Grey	80D	1
8115	Two-component polyurethane adhesive specially designed for structural bonding applications.	Grey	80D	5
8116	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	20
8117	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	20
8120	Two-component polyurethane adhesive specially designed for structural bonding applications.	Amber	80D	1
8121	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	1
8123	Two-component polyurethane adhesive specially designed for structural bonding applications.	White	65D	1
8124	Two-component polyurethane adhesive specially designed for structural bonding applications.	White	65D	5
8125	Two-component polyurethane adhesive specially designed for structural bonding applications.	Translucent	80D	35 sec
8128	Two-component polyurethane adhesive specially designed for structural bonding applications.	Translucent	60D	5
8136	Two-component polyurethane adhesive specially designed for structural bonding applications.	Black	80D	5

Potting and Encapsulation – UL-94

Optimax®	Specification	Colour	Packaging	Working Time min	Shore Hardness	Application
892-FR	UL-94-VO Self-extinguishing Halogen free	Various	Bulk	Gel time 70 min (+/- 20 mins) @ 23°C / 70ml	83A 25D	Optimax® 892-FR is a high performance two-component self-extinguishing casting and potting resin for multiple manufacturing applications. Optimax® 892-FR is highly flexible and therefore particularly suitable for low stress, thermal shock and ruggedisation applications. Optimax® 892-FR is halogen free, self-extinguishing and conforms to UL-94-VO.
8245	UL94 – Self-extinguishing Halogen Free	Various	Bulk	Gel time 60min @25°C / 300g	97A 45D	Optimax® 8245 is a high performance two component polyurethane resin for dielectric, electrical and electronic casting applications. Optimax® 8245 is self-extinguishing to UL94. Optimax® 8245 contains no halogens. Excellent dielectric properties. UL94 – Self-extinguishing. Excellent fire and heat resistant properties. High heat conductivity properties. Suitable for a wide range of manufacturing applications.

OPTIMAX®

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
34-35 Great Sutton Street
London
EC1V0DX
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