



CRESTAMOULD®

Matched Tooling Systems



Why Scott Bader?

1

HIGH QUALITY PARTS FASTER

Fast and effective systems that produce durable high quality composite moulds.

2

RENOWNED TECHNICAL SUPPORT

With over 70 years of composite experience, our experts are on hand to support you every step of the way.

3

TRUSTED AROUND THE WORLD

Long-standing partnerships with leading OEMs in Marine, Land Transport and Building and Construction.

High quality parts **faster**

Crestamould matched tooling systems offer a fast and effective way to produce durable high quality composite moulds, providing an exceptional surface finish and high dimensional accuracy.

Durability

Crestamould 15PA vinyl ester gelcoat - A special additive has been formulated into Crestamould 15PA that reduces air entrapment during mould manufacture, improving the quality and durability of your mould surface.

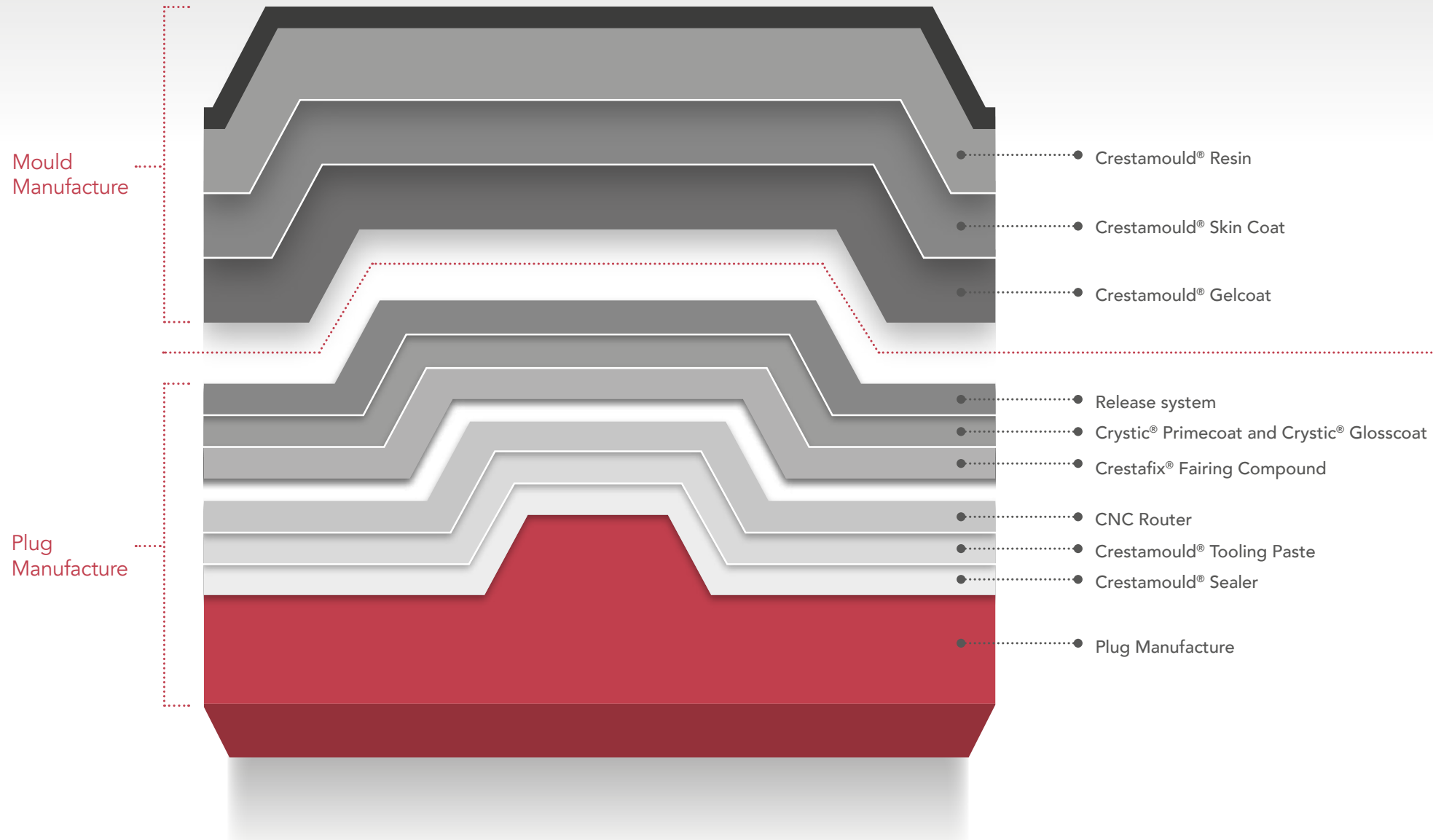
Surface

Crestamould VE 679PA - High performance DCPD in Crestamould VE679PA reduces shrinkage and print through on the mould surface, leading to better quality parts.

Speed

Crestamould RTR 4010PA - Fast curing with low heat generated significantly reduces time needed to manufacture moulds. High performance DCPD combined with low profile fillers delivers moulds with low shrinkage and high dimensional accuracy, ensuring final parts meet customer expectations.





High Performance Matched Tooling System

Mould Manufacture

Crestamould® Resin

Crestamould® Rapid Tooling Resin (RTR) 4010PA is a rapid tooling resin which incorporates outstanding handling properties, lower viscosity, improved shrinkage control and is catalysed with standard MEKP catalyst. It enables faster mould making and eliminates surface distortion.

Crestamould® Skin Coat

Crestamould® Skin Coats VE679PA and VE690PA are pre-accelerated thixotropic DCPD modified vinylester resins that have been developed as a skin coat in tooling applications. They have excellent blister resistance and reduced print through.

Crestamould® Gelcoat

Crestamould® Gelcoat 15PA is a superior performance vinylester tooling gelcoat for making moulds designed to have a long service lifetime and retain high gloss levels after multiple pulls. It is easy to apply and achieves good coverage. There is no gassing of the gelcoat ensuring a very low porosity surface and it cures with a standard MEKP catalyst. Available in both spray and brush.



Plug Manufacture

Crystic® Primecoat

Crystic® Primecoat is a high build, polyester coating material which allows the rapid surfacing of patterns constructed from wood, MDF, GRP etc. It can be applied wet-on-wet up to a thickness of 1.5mm in one operation without sagging or draining from vertical surfaces.

Crestafix® Fairing Compound

A water resistant, low-density polyester-based fairing compound, Crestafix® F26 has excellent adhesion to cured fibre-reinforced polyester and vinylester laminates. The material sands easily, gives a hard finish after a full cure, yet is not brittle and has good impact strength. Crestafix® F26 is a suitable base for all marine finishes such as polyester, urethane and epoxy paints.

Crestamould® Sealer

Laminating with polyester resin on top of polystyrene foams has never been possible despite various impractical methods of protection from preventing the styrene foam from dissolving when in contact with polyester resin. Crestamould® B21 sealing resin solves this problem – just one coat applied by brush will seal the surface and laminating with polyester resins can begin two hours after application.

Crystic® Glosscoat

Crystic® Glosscoat is a polyester coating designed to be applied over prepared Crestamould® Primecoat to give a glossier and more durable surface. The material hardens rapidly and can be easily sanded to a smooth surface which can be polished to high gloss.

Crestamould® Tooling Paste

Designed for milling of large plugs or direct limited production moulds with CNC multiple axis machines, Crestamould® T29 is a modified polyester compound, available in sprayable or extrudable versions.

Quality parts cheaper

Crestamould Essentials offers a lower cost solution for efficient mould making.

Lower temperature cycles

Crestamould Essentials 11PA - An ISO-NPG gelcoat specifically designed for the manufacture of moulds. It can be used up to temperatures of 95°C and polishes to a high gloss level.

Medium volume production

Crestamould Essentials 474PA - Good quality mould making resin that produces a good surface finish. Ideal for use when the time to produce the mould is less critical.

Lower cost

Crestamould Essentials 4005PA - Efficient manufacturing of moulds with good curing speed and low shrinkage. Maintains dimensional accuracy of moulds to meet requirements for part production.

Matched Tooling System

Mould Manufacture

Crestamould® Essentials Resins

Crestamould® Essentials 4005PA is a low cost, low shrinkage tooling resin that incorporates better handling properties, lower viscosity and is catalysed with standard MEKP catalyst.

Crestamould® Essentials 474PA is an alternative high temperature orthophthalic polyester resin with good heat and chemical resistance, ideal suited for heat resistant composite moulds.

Crestamould® Skin Coat

Crestamould® Skin Coats VE679PA and VE690PA can be used alongside our Essentials low cost mould materials to improve the surface quality of the mould.

Crestamould® Essentials Gelcoat

Crestamould® Essentials 11PA is an ISO-NPG polyester gelcoat, specifically designed for mould making. It is thixotropic and pre-accelerated, only requiring the addition of catalyst to start curing. It has high heat resistance and surface hardness. Available in both spray and brush.

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Find your local Scott Bader office

