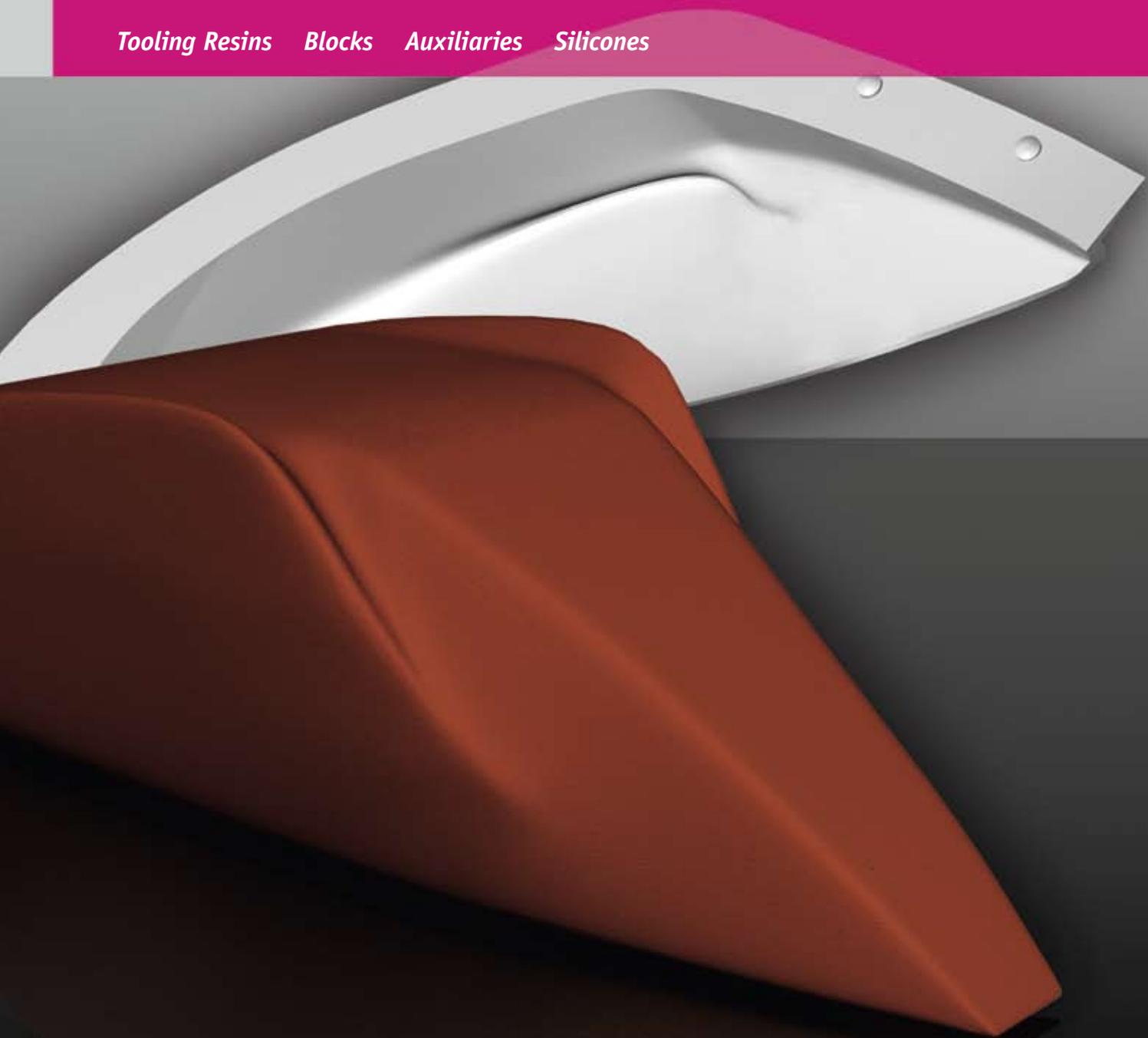


ebacryl

*The economic solution for prototypes,
mouldings and scenery building*

Tooling Resins Blocks Auxiliaries Silicones



ebalta

Solution Takes Shape

Economical and environmentally friendly: *ebacryl* for the fast production of laminates of the highest dimensional accuracy

Whether prototypes, mouldings or scenery building – the *ebalta* special artificial resins in the *ebacryl* range of products can be put to versatile use. All *ebacryl* materials have one thing in common: they are very easy to handle and allow any thickness of laminates to be produced in only one process.

Efficient manufacture

ebacryl is an environmentally friendly system that can be used to quickly and easily produce laminates of a high dimensional accuracy. It can be laminated to any thickness. Pre production tools for hand lay-up and injection laminates as well as for prepregs with a temperature resistance up to 125 °C can be manufactured in just a day. This saves time and makes *ebacryl* a very fast and economical and fast system.

Ecological processing

ebacryl is a water-based material that is almost as hard and durable as artificial resin – but it is non-toxic, environmentally friendly and almost odourless. There is no risk to health and tools can be cleaned with water. Laminates of *ebacryl* are classified in fire class B1 (hardly flammable).

Flexible use

ebacryl systems are suitable for a wide variety of different uses:

- to produce large and dimensionally accurate female moulds, e. g. for design models of clay or foam
- for the fast lamination of backing plates for flexible female skin moulds of silicone or polyurethane, e. g. when moulding sculptures or natural structures
- to reinforce existing moulds or surfaces: expanded polystyrene, for example, can be walked over if laminated with 1 to 2 layers of *ebacryl*
- to produce decorative components and models: e. g. lightweight *ebacryl* mouldings are used in scenery building to produce rock or tree structures



Design model from block material



CFRP prepreg structure (bodywork part), made with *ebacryl* tools



Expanded polystyrene scenery with *ebacryl* coating



Uncomplicated handling

Laminates can be made with **ebacryl** systems very easily and in only a few steps. First, the **ebacryl** Gelcoat 0/SP-1 is applied. This has an almost plastic-like character. Glass fibre mats (300 g), that have been saturated in a mixture (2:1 parts by weight) of **ebacryl** powder L and **ebacryl** emulsion EM, are laid on this.

The laminates can be removed from the mould after 2 to 3 hours. We recommend that they are left to set overnight. We will be pleased to provide more detailed instructions, just give us a call: **+44 1332 814700**



Clay design model



ebacryl scenery



Highly detailed surface of **ebacryl**



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Composites

Mould and tool making

Design model making

Foundry tooling

Rapid Prototyping

Electrical encapsulation

Further applications

We are pleased to help if you have any questions on technology or products. Just call or make an appointment with your regional sales agent. We are looking forward to hearing from you!

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