

Lechner

„Our high quality requirements for sink installation are 100% fulfilled with the high-quality products from ebalta. Added to this was a very good technical consultation on site, individual customisation and a very fast order processing. A very good partnership all round!“



ebalta PUR – Casting Resins Systems

A flush elegance for laminate worktops

Solution takes shape



DANIELMEYER **DanForm**
ARBEITSPLETTEN Kitchen Elements

„As a manufacturer of commissioned worktops, we have to permanently respond to the most diverse requirements of our international customers. With ebalta, we have had an extremely reliable and competent partner for over 20 years, with whom we can implement these requirements without any problems.“

Carbon neutral company – Our contribution to sustainability



We have made it our mission to take responsibility for the preservation and protection of the environment on a daily basis. Our goal is to keep our ecological footprint as small as possible. To this end, the proportion of recycled and renewable raw materials is being continuously increased and standardised. Another component of our sustainability strategy is to offset the remaining CO₂ emissions. We have been certified as a carbon neutral company since January 2021.

ebalta Kunststoff GmbH has been a manufacturer of polyurethane and epoxy resins for over 40 years. Our polyurethane casting resin systems have been used in kitchen construction for many years.

Contact us, we look forward to hearing from you!

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Solution Takes Shape

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ebalta PUR casting resin systems for flush mounted installations. Individual for your production processes.

ebalta – your innovative partner with plastic solutions

For more than 40 years, ebalta Kunststoff GmbH has stood as a leading manufacturer of polyurethane and epoxy resins for mould and tool making, design and foundry model making as well as for composites, rapid prototyping and electrical encapsulation.

Innovative solutions from ebalta are used worldwide in the automotive, aerospace, mechanical engineering, rail and medical industries. This ensure around 130 employees in Rothenburg ob der Tauber as well as the worldwide sales.

For many years, our polyurethane casting resin systems have been used in kitchen construction.



Together with you, we develop and modify the casting resin for flush-mounted installation of kitchen sinks and hobs in laminate worktops. The cast resin frame seals the surfaces to be machined against moisture, serves as a support surface for the fixtures and can be machined like wood.

Parameters such as viscosity, pot life and curing time or colouring can be individually adapted to your production process, so that you achieve the optimum result with your process cycle.

The casting resin systems of the 500 series are distinguished by their flow behaviour and are suitable for both manual and machine casting.

Polyurethane Casting Resin System 500 Series

<i>Viscosity at 25°C [mPas]</i>	50-1000
<i>Density at 20°C [g/cm³]</i>	1.1-1.8
<i>Pot life 120g/20°C [min.]</i>	3.5-9
<i>Curing time [min.]</i>	10-30

Physical data

<i>Flexural strength [MPa]</i>	35-57
<i>Flexural elongation at break [%]</i>	0.8-7.5
<i>Flexural modulus [MPa]</i>	1500-5500
<i>Impact resistance (Charpy) [kJ/m²]</i>	2.5-24
<i>Compressive strength [MPa]</i>	45-65
<i>Heat resistance (HDT) [°C]</i>	86-99
<i>Shore hardness [Shore D]</i>	72-85

Individual development for your high quality requirements

With more than 2,000 articles, we offer a large product variety for almost every application with polyurethane and epoxy resins. Our research and development team uses this huge potential to meet your development requirements. The R&D team consisting of product managers, chemists and chemical laboratory assistants with their in-depth technical knowledge are at your side at every of your project step.



Installations with cast resin frame encapsulated with material from the 500 series.