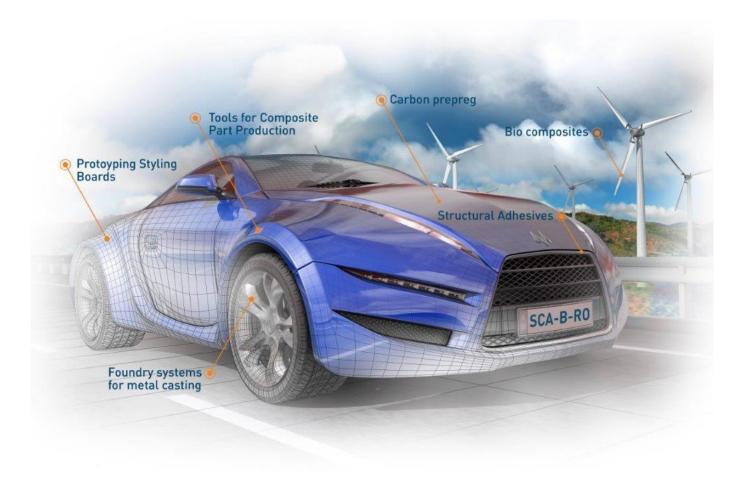




# **TECHNICAL DATASHEET**

RAKU-TOOL EL-2200 Epoxy



MALLENBOUW | COMPOSIETEN | LIJMEN

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# **RAKU-TOOL® EL-2200 / EH-2900**



# **Epoxy Laminating and Multipurpose System**

RT curing, unfilled, low viscosity

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### **Key Properties**

- Room temperature curing
- Good compatibility with glass fibers and fillers
- With short glass fibers (6mm) also suitable for coupling layers
- · Backing resin with mineral and metal fillers

### **Applications**

- General tool building and tooling aids
- · Binder for Quartz sand and fabrics

## **Processing Properties**

			EL-2200	EH-2900
Color	visual		Clear	Clear
Mix ratio		parts by weight	100	20
Density	ISO 1183	g/cm <sup>3</sup>	ca. 1.10	ca.1.03
Viscosity at 25 °C	DIN 53019-1	mPa·s	2000-2300	450-750

			EL-2200 / EH-2900
Mix viscosity at 25 °C	DIN 53019-1	mPa⋅s	1000-1300
Pot life at 25 °C	500 ml	min	70
Max. layer thickness		mm	8
Demold time		h	16

## **Cured / Mechanical Properties**

Cure: 7 days at RT or 14h at 40°C			EL-2200 / EH-2900
Appearance	visual		Clear
Density	ISO 1183	g/cm <sup>3</sup>	ca. 1.1
Deflection temperature, HDT	ISO 75	°C	53-58
Glass Transition Temperature, Tg	DSC	°C	48-53
Flexural strength	ISO 178	MPa	98-93
Flexural modulus	ISO 178	MPa	2000-2500

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#### **Processing**

#### The processing and material temperature should be between 20-25 °C.

Mix the two components thoroughly in the ratio indicated. Degassing is recommended. Impregnate each layer of cloths to construct the laminate layer by layer. Post curing will improve final properties.

#### **Packaging**

RAKU-TOOL® EL-2200	5 kg / 25 kg / 220 kg / 1000 kg
RAKU-TOOL® EH-2900	5 kg / 6 x 1 kg / 22 kg / 204 kg

#### **Storage**

Original containers should be kept tightly sealed and stored at ambient temperatures (15°C to 30°C). If properly stored the products have the shelf-life indicated on the product label. Partly used containers should always be sealed appropriately and used up as soon as possible.

### **Handling Precautions**

Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.

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Our recommendations on the use of the material are based on many years of experience and current scientific and practical knowledge. They are, however, provided without any obligation on our part and do not relieve the buyer of the need for suitability tests. They do not constitute a legal relationship, nor are any protected third party rights whatsoever affected thereby.