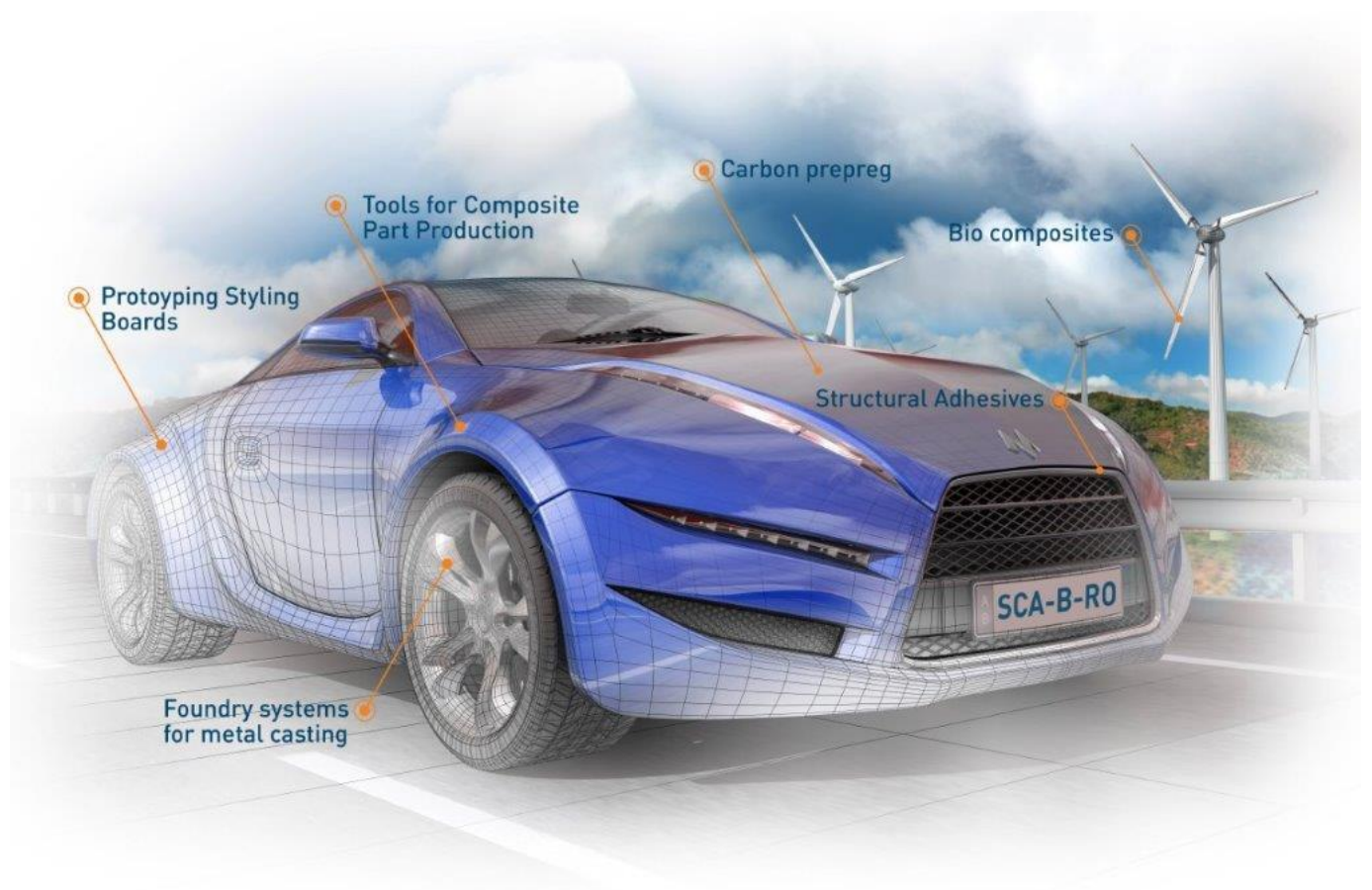


TECHNICAL DATASHEET

RAKU-TOOL EL-2200

Epoxy



MALLENBOUW | COMPOSITEN | LIJMEN

Epoxy Laminating and Multipurpose System

RT cure, unfilled, low viscosity, impact resistant

Key Properties

- Room temperature cure
- Good wetting of glass fibers and fillers
- Impact resistant

Applications

- General tool building and tooling aids
- Laminating system for fibers e.g. glass
- Binding agent for various fillers

Processing Properties

			EL-2200	EH-2904-1
Color	visual		Clear	Clear
Mix ratio		parts by weight	100	40
Density	ISO 1183	g/cm ³	ca. 1.10	ca. 1.00
Viscosity at 25 °C	DIN 53019-1	mPa·s	2000-2300	90-130

			EL-2200 / EH-2904-1
Mix viscosity at 25 °C	DIN 53019-1	mPa·s	400 – 500
Pot life at 25 °C	500 ml	min	ca. 50
Max. layer thickness		mm	8
Demold time		h	24

Cured / Mechanical Properties

Cure: 7 days at RT or 14h at 40°C			EL-2200 / EH-2904-1
Appearance	visual		Clear
Density	ISO 1183	g/cm ³	ca. 1.1
Deflection temperature, HDT	ISO 75	°C	35 – 40
Glass Transition Temperature, Tg	DSC	°C	-
Flexural strength	ISO 178	MPa	35 – 40
Flexural modulus	ISO 178	MPa	900 – 1000

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-2904-1	6 x 0.28 kg / 2 kg / 6 x 1 kg / 25 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.
