

RAKU-TOOL[®] EG-2100 / EH-2901-1, EH-2950

Epoxy Gelcoat System

Thixotropic, room temperature curing

PC - Rev.-Status: 01- 2009/06/25

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Key Properties

- Reduced hazard rating
- Light blue gelcoat, can be sanded and polished
- Choice of reactivity
- Good workability
- Good interlayer adhesion, even when left overnight

Applications

- Negatives
- Models
- Jigs and fixtures

Processing Properties

			EG-2100	EH-2901-1	EH-2950
Color	visual		Blue	Yellowish	Clear
Mix ratio		parts by weight	100	14	
			100		14
Density	ISO 1183	g/cm ³	1.49	1.08	1.01

			EG-2100 / EH-2901-1	EG-2100 / EH-2950
Pot life at 25 °C	250 ml	min	15	35
Demold time		h	12	16

Cured / Mechanical Properties**Cure:**

			7 days at RT or 14h at 40°C	after initial hardening post cure in steps up to 120° C
			EG-2100 / EH-2901-1	EG-2100 / EH-2950
Appearance	visual		Light blue	Light blue
Density	ISO 1183	g/cm ³	1.4	1.4
Hardness Shore D	ISO 868		85-90	85-90
Deflection temperature, HDT	ISO 75	°C	55-60	100-105
Glass Transition Temperature, T _g	DSC	°C	60-65	98-103
Abrasion	Taber	mm ³ /100R	90-95	60-65

Processing

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

Mix the two components thoroughly in the ratio indicated. Apply in thin layers with a brush.

Wait until gelcoat has gelled, but ensure that it is still slightly tacky before proceeding.

Post curing will improve final properties.

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Packaging

RAKU-TOOL [®] EG-2100	7.1 kg
RAKU-TOOL [®] EH-2901-1	6 x 0.05 kg / 6 x 1 kg
RAKU-TOOL [®] EH-2950	6 x 1 kg / 2 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.

Supplied by

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