

RAKU-TOOL[®] EG-2102 / EH-2901, EH-2950

Epoxy Gelcoat System

RT curing, abrasion resistant

PC - Rev.-Status: 01- 2006/06/14

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Key Properties

- High mechanical properties
- Excellent abrasion resistance
- Good resistance to chemicals
- Good temperature resistance

Applications

- Foundry patterns
- Foam molds
- UP forming tools
- Tools and tooling aids

Processing Properties

			EG-2102	EH-2901	EH-2950
Color	visual		Blue	Yellowish	Clear
Mix ratio		parts by weight	100 100	8 -	- 8
Density	ISO 1183	g/cm ³	1.90	1.08	1.01

			EG-2102 / EH-2901	EG-2102 / EH-2950
Pot life at 25 °C	250 ml	min	25	60
Demold time		h	12	16

Cured / Mechanical Properties

Cure: 7 days at RT or 14h at 40°C			EG-2102 / EH-2901	EG-2102 / EH-2950
Appearance	visual		Blue	Blue
Density	ISO 1183	g/cm ³	1.8	1.8
Hardness Shore D	ISO 868		90	90
Glass Transition Temperature, Tg	DSC	°C	80	90
Abrasion	Taber	mm ³ /100R	7	6

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-2102	6 x 0.62 kg / 5 kg
RAKU-TOOL® EH-2901	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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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.