

RAKU-TOOL[®] EG-2101 / EH-2901-1, EH-2950

Epoxy Gelcoat System

Thixotropic, RT curing

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

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Key Properties

- Reduced hazard rating
- Easy to apply and low odor
- Choice of reactivity
- White surface, can be sanded and polished
- Easy to process

Applications

- Negatives
- Models
- Jigs and fixtures
- Plaster working molds for ceramics

Processing Properties

			EG-2101	EH-2901-1	EH-2950
Color	visual		White	Yellowish	Clear
Mix ratio		parts by weight	100	12	
			100		12
Density	ISO 1183	g/cm ³	1.45	1.08	1.01

			EG-2101 / EH-2901-1	EG-2101 / 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-2101 / EH-2901-1	EG-2101 / EH-2950
Appearance	visual		White	White
Density	ISO 1183	g/cm ³	1.4	1.4
Hardness Shore D	ISO 868		83-88	80-85
Deflection temperature, HDT	ISO 75	°C	55-60	88-93*
Glass Transition Temperature, Tg	DSC	°C	50-55	80-85*
Abrasion	Taber	mm ³ /100R	90-100	75-85

*The values for HDT and Tg have been measured after post cure at 80°C.

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-2101	6 x 0.42 kg / 5 kg
RAKU-TOOL [®] EH-2901-1	6 x 0.05 kg / 6 x 1 kg
RAKU-TOOL [®] EH-2950	6 x 1 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.
