

RAKU-TOOL[®] EG-2107 / EH-2951

Epoxy Gelcoat System

High temperature resistant Epoxy System

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

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Key Properties

- High temperature resistance (180°C)
- Easy to apply
- Good workability (after final cure)

Applications

- Gelcoat for HT (high temperature) molds
- Gelcoat for pre-preg lay up tools

Processing Properties

			EG-2107	EH-2951
Color	visual		Black	Clear
Mix ratio		parts by weight	100	20
Density	ISO 1183	g/cm ³	1.76	1.02

			EG-2107 / EH-2951
Pot life at 25 °C	250 ml	h	2-2.5
Demold time		h	24

Cured / Mechanical Properties

Cure: after initial hardening post cure in steps up to 180°C			EG-2107 / EH-2951
Appearance	visual		Black
Density	ISO 1183	g/cm ³	1.6
Hardness Shore D	ISO 868		90-95
Deflection temperature, HDT	ISO 75	°C	170-180
Glass Transition Temperature, Tg	DSC	°C	170-180
Abrasion	Taber	mm ³ /100R	45-50

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-2107	5 kg
RAKU-TOOL [®] EH-2951	1.8 kg / 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.