

EL-2210 / EH-2910-1

Multipurpose adhesive

Room temperature curing, long pot life

Key Properties

- Room temperature curing
- Long pot life
- Easy to mix
- Slightly thixotropic

Applications

- Universally applicable adhesive
- Especially suitable for working boards (WB) (exception WB-0700)
- For bonding metals after respective pre-treatment

Processing Properties

		Unit	EL-2210	EH-2910-1
Color	visual		opaque	yellowish
Mix ratio		pbw	100	60
Density	ISO 1183	g/cm ³	ca. 1.17	ca. 0.96
Viscosity at 25 °C	DIN 53019-1	mPa·s	10,000 - 50,000	20,000 - 30,000

		Unit	EL-2210 / EH-2910-1
Mix viscosity at 25 °C	DIN 53019-1	mPa·s	10,000 - 25,000
Pot life at 25 °C	500 ml	min	50 - 60
Machinable		h	16

Cured / Mechanical Properties

		Unit	EL-2210 / EH-2910-1
Cure			7 days at RT or 14h at 40°C
Color		visual	opaque
Density	ISO 1183	g/cm ³	ca. 1.10
Hardness	ISO 868	Shore D	80 - 85
Deflection temperature, HDT	ISO 75	°C	50 - 55
Glass transition temperature, Tg	DSC	°C	53 - 58
Flexural strength	ISO 178	MPa	85 - 95
Flexural modulus	ISO 178	MPa	2,300 - 2,800
Tensile shear strength aluminum sandblasted	ISO 4587	MPa	11 - 14



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Processing

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

Mix the two components thoroughly in the ratio indicated and apply to both sides of the surface to be bonded.

Packaging

RAKU® TOOL EL-2210	6 x 1,25 kg
RAKU® TOOL EH-2910-1	6 x 0,75 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.



Additional Information

Special mixtures

EL-2210	mix ratio	pbw	100	100	100	100	100
EH-2910-1			40	50	60	80	100
Shore hardness D	ISO 868		80	82	82	81	80
Deflection temperature (B) HDT	ISO 75	°C	43-48	48-53	50-55	48-53	43-48
Flexural strength	ISO 178	MPa	70-80	90-100	85-95	80-90	70-80
Flexural modulus	ISO 178	MPa	2000-2500	2300-2800	2300-2800	2000-2500	1500-2000
Tensile shear strength	ISO 4587	N/mm ²	10-13	10-13	11-14	11-14	14-17