

Biresin® CR141 with Biresin CH150-3 Composite resin system

Description

- Basis Two-component-epoxy-system
- Resin (A) **Biresin® CR141**, epoxy resin, translucent
- Hardener (B) **Biresin® CH150-3**, amine, colourless

Physical Data		Resin (A)	Hardener (B)
Individual Components		Biresin® CR141	Biresin® CH150-3
Viscosity, 25°C	mPa.s	~ 8,250	~ 20
Density, 25°C	g/ml	~ 1.16	~ 0.94
Mixing ratio	in parts by weight	100	24
		Mixture	
Potlife, 100 g / RT, approx. values		min	~90
Mixed viscosity, 25°C, approx. values		mPa.s	~900

Mechanical Data of fully cured neat resin specimen, approx. values

Biresin® CR141 resin (A)		with hardener (B)	Biresin® CH150-3
Tensile strength	ISO 527	MPa	~83
Tensile E-Modulus	ISO 527	MPa	~2,600
Elongation at break	ISO 527	%	~7
Flexural strength	ISO 178	MPa	~124
Flexural E-Modulus	ISO 178	MPa	~2,700
Compressive strength	ISO 604	MPa	~113
Impact resistance	ISO 179	kJ/m ²	~36
Shore-hardness	ISO 868	-	~D 85

Thermal Data of fully cured neat resin specimen, approx. values

Biresin® CR141 resin (A)		with hardener (B)	Biresin® CH150-3
Heat distortion temperature	ISO 75A	°C	~147
	ISO 75B	°C	~150
	ISO 75C	°C	~135
Glass transition temperature	ISO 11357	°C	~155

Packaging

Individual components	Biresin® CR141 resin (A)	1,000 kg; 200 kg; 10 kg net
	Biresin® CH150-3 hardener (B)	900 kg; 180 kg; 20 kg; 2,4 kg net

Processing

- To clean brushes or tools immediately Sika Reinigungsmittel 5 is recommended.
- Additional information are available in "Processing instructions for Composite Resins".

Storage

- Minimum shelf life of Biresin® CR141 resin (A) is 24 month and of Biresin® CH150-3 hardener (B) is 12 month under room conditions (18 - 25°C), when stored in original unopened containers.
- After prolonged storage at low temperature, crystallisation of resin may occur. This is easily removed by warming up for a sufficient time to 50-60°C.
- Containers must be closed tightly immediately after use. The residual material needs to be used up as soon as possible.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.

Disposal considerations

Product Recommendations: Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations.

Packaging Recommendations: Completely emptied packagings can be given for recycling. Packaging that cannot be cleaned should be disposed of as product waste.

Value Bases

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Legal Notice

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