

PRODUCT DATA SHEET

SikaBiresin[®] L202 (Epolam 2002)

LAMINATING EPOXY SYSTEM FOR TOOLING

APPLICATIONS

- Production of tools, negatives, casting or concrete

MAIN PROPERTIES

- Low exothermy
- Odourless

DESCRIPTION

Basis	Two-component-epoxy-system
Component A	SikaBiresin[®] L202 , epoxy resin, clear transparent
Component B	SikaBiresin[®] L202 , hardener, clear transparent

PHYSICAL PROPERTIES

		Resin (A)	Hardener (B)
Components		SikaBiresin[®] L202	SikaBiresin[®] L202
Viscosity, 25 °C	mPa.s	1,700	60
Density, 25 °C		1.14	0.99
Mixing ratio	in parts by weight	100	12
	in parts by volume at 25 °C	100	14
Mixture			
Color		Clear transparent	
Viscosity, 25 °C	mPa.s	950	
Potlife, 25 °C, 500 g	min	45	

MECHANICAL PROPERTIES

approx. values at 23 °C, obtained on standard specimens (pure resin without reinforcement) after curing 24 h at RT and 15 h at 60 °C

Specific gravity of cured product, 23 °C	ISO 2781		1.17
Shore hardness	ISO 868	Shore D1	86
E-Modulus	ISO 178	MPa	2,500

Flexural strength	ISO 178	MPa	90
Tensile strength	ISO 527	MPa	60

THERMAL AND SPECIFIC PROPERTIES

approx. values

Glass transition temperature	ISO 11357	°C	65
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PACKAGING UNITS

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| ■ Resin (A), SikaBiresin® L202 | 220 kg; 25 kg net |
| ■ Hardener (B), SikaBiresin® L202 | 26.4 kg; 3 kg net |

PROCESSING DATA

- The material, processing and mould temperature must be at least 18 – 25 °C.
- After mixing according to the indicated ratio impregnate the reinforcements or fillers.
- To achieve the final thermal properties, it is imperative to post cure SikaBiresin® L202 for 16 hours at 50 °C.
- For standard applications cure at room temperature.

STORAGE CONDITIONS

Shelf life	■ Resin (A), SikaBiresin® L202	24 months
	■ Hardener (B), SikaBiresin® L202	24 months
Storage temperature	■ Resin (A), SikaBiresin® L202	18 – 25 °C
	■ Hardener (B), SikaBiresin® L202	18 – 25 °C
Opened packagings	■ Containers must be closed tightly immediately after use to prevent moisture ingress.	
	■ The residual material needs to be used up as soon as possible.	

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Advanced Resins. Copies of the following publications are available on request: Safety Data Sheets

BASIS OF PRODUCT DATA

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

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTICE

The information, and, in particular, the recommendations relating to the application and enduse of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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