

SikaBiresin® CR75 -
BIO-BASED



SikaBiresin® CR75

OPTIMIZED EPOXY SYSTEM FOR GREENER COMPOSITE

SikaBiresin® CR75 is a partially bio-based system tested according to ASTM D6866-12 by an external accredited laboratory. By selecting the right raw materials, the global carbon footprint is dramatically reduced. Originally developed for shapers and surf producers, it has now found a place in many other industries thanks to its extended hardener range.

- Curing at room temperature
- Exceptional UV resistance
- Extended range of reactivity from 28 to 82 min. potlife
- Usable for both laminating and glazing

BUILDING TRUST



SikaBiresin® CR75

AREAS OF APPLICATION

- Production of laminates with high UV stability and good mechanical properties (e.g: surf boards, decorative laminates)

PRODUCT BENEFITS / PROPERTIES

- High UV resistance
- Partially bio-based system
- Elevated wettability
- Adapted hardeners

DESCRIPTION

- Bio-based epoxy system for hand lay-up and infusion, optimized for UV resistance

PHYSICAL DATA	RESIN (A)	HARDENERS (B)	
Components	SikaBiresin® CR75	SikaBiresin® CH75-1	SikaBiresin® CH80-3
Viscosity, 25 °C, mPa.s	1800	35	15
Density, g/ml	1.16	0.98	0.95
Mixing ratio, parts by weight	100	40	29
		Mixture	
Potlife, 500 ml, 25 °C, min.		28	82
Mixed viscosity, 25 °C, mPa.s		500	400

MECHANICAL DATA, NEAT RESIN SPECIMEN (VALUES AFTER OPTIMIZED POST CURING)

SikaBiresin® CR75			SikaBiresin® CH75-1	SikaBiresin® CH80-3
Hardness	ISO 868	Shore D	82	82
Tensile strength	ISO 527	MPa	60	85
Elongation at break	ISO 527	%	5	6
Flexural modulus	ISO 178	MPa	3200	3000
Flexural strength	ISO 178	MPa	115	130

THERMAL DATA OF NEAT RESIN SPECIMEN (VALUES AFTER OPTIMIZED POST CURING)

SikaBiresin® CR75			SikaBiresin® CH75-1	SikaBiresin® CH80-3
Glass Transition Temperature	ISO 11357	°C	75	90

Our most current General Sales Conditions shall apply.

Please consult the Product Data Sheet prior to any use and processing.

Actual Product Data Sheets and information about additional products please find in:

www.sikaadvancedresins.com



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