



Almost every customer
would recommend to use
Biresin® U1320 NT*

* Source: Customer Satisfaction Analysis on the backside

Biresin® U1320 NT

FOUNDRY RESIN WITH HIGHEST ABRASION RESISTANCE

This high abrasion resistant and nontoxic elastomeric resin for face casting applications is tried and trusted for Coldbox-Series core boxes.

A benefit for Model Makers and Foundries

- Work well and with certainty
- Easy processing and easy casting
- Demould with ease
- highest abrasion resistance

... and good for your business

- Calculable production process
- Deliver to your customers on time
- Long lifespan of the core box
- Calculable restoration intervals

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CUSTOMERS CONFIRM A VERY GOOD PROCESS RELIABILITY WITH Biresin® U1320 NT

Measurable high customer satisfaction

General estimation
of Biresin® U1320 NT



Source: Sika-customer satisfaction-analysis 7/2013
(Basis: 110 inquiries, 62% ratio of returns),
Scale from 0 = dissatisfied to 10 = really satisfied

Nearly each user would recommend the new Biresin® U1320 NT

„Would you recommend
Biresin® U1320 NT to a colleague?“



Source: Sika-customer satisfaction-analysis 7/2013
based on 110 inquiries to users of Biresin® U1320 NT
45% ratio of returns.

Demands of model maker

- preparation
- mixing
- filling behaviour
- demoulding
- sink marks
- air bubbles
- shrinkage
- workability
- repair
- bonding on aluminium

Source: Questionnaire of the Sika-Sika-customer
satisfaction-analysis 7/2013

Foto: © Sika Deutschland GmbH

Demands of foundry

- abrasion resistance
- bonding of core sand
- bonding of green sand
- cleaning with dry ice
- swelling resistance

Source: Questionnaire of the Sika-Sika-customer
satisfaction-analysis 7/2013

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PROCESSING DATA

Individual components		Biresin® U1320 NT	Biresin® U1320 L Neu
Viscosity, 25 °C	[mPas]	~ 14,000	~ 270
Density	[g/ml]	1.10	1.15
Mixing ratio resin (A) to hardener (B) in parts by weight		100	40
Mixture			
Potlife, 500 g, room temperature	[min]	16	
Demoulding time, room temperature	[h]	> 16	
Curing time, room temperature	[d]	3-5	

PHYSIKAL DATA (APPROX. VALUES)

Biresin® U1320 NT Harz (A)			mit Härter (B) Biresin® U1320 L Neu
Colour			beige**
Density	ISO 1183	g/cm³	1.15
Shore hardness	ISO 868	-	D 62
Tensile strength	ISO 527	MPa	50
Elongation at break	ISO 527	%	330
Abrasion resistance	ISO 4649	mm³	70

** dependent on raw materials the colour can differ without different mechanical properties

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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