



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

BUILDING TRUST



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

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

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/cm ³	1.15	
Shore hardness ISO 868	D 62	
Tensile strength ISO 527 MPa	50	
Elongation at break ISO 527 %	330	
Abrasion resistance ISO 4649 mm ³	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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