

SETS BENCHMARK  
SINCE 2012.



BIRESIN®  
U1320 NT

ALMOST EVERY CUSTOMER WOULD  
RECOMMEND TO USE BIRESIN® U1320 NT\*

\*Source: Customer Satisfaction Analysis on the backside

## Foundry-Resin Biresin® U1320 NT

**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, easy casting
- demould with ease
- benchmark in 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



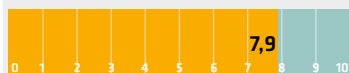
**BUILDING TRUST**



# 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, RT [min]		16
Demoulding time, RT [h]		> 16
Curing time, RT [d]		3 - 5

## PHYSICAL DATA (APPROX. VALUES)

Biresin® U1320 NT Harz (A)		mit Härter (B) Biresin® U1320 L Neu	
Colour		beige**	
Density	ISO 1183 g/cm <sup>3</sup>	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 <sup>3</sup>	70	

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