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

Axson

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Sika®

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 inquieries, 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 inquieries 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, 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/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

SikaAxson · D-72574 Bad Urach
Tel.: +49 7125 940 492 · Fax: +49 7125 940 401
E-mail: tooling@de.sika.com · www.sikaaxson.de

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