

Safe change
to the
Nontox System



From experience the best – Biresin® U1420 Neu

The new standard for high abrasion resistant face casting
for core boxes, foundry patterns and match plates.

Safe and simple processing:

- Variable multipurpose system
- Good flowability and long potlife for highest volumes
- Fast demoulding without brittleness phase
- Low shrinkage

High resistance in end use:

- High abrasion resistance
- Good swelling resistance
- Good temperature resistance



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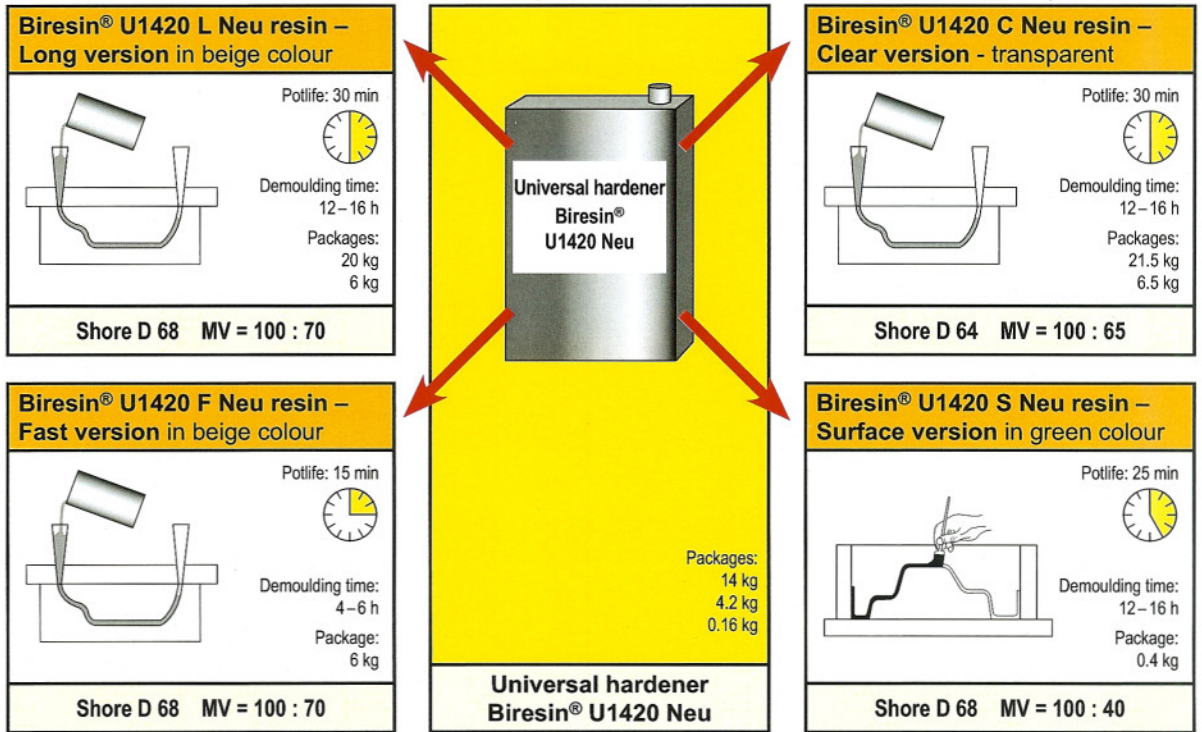
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Biresin® U1420 Neu

Elastomeric casting resin system for foundry pattern making
Shore D 68 / D 64

Biresin® U1420 Neu – the Nontox System

1 universal hardener with 4 resins – multipurpose use



Processing Data						
Biresin®	Resin	U1420L Neu	U1420F Neu	U1420C Neu	U1420S Neu	
	Hardener	U1420 Neu				
Mixing ratio	Resin	100	100	100	100	[g]
	Hardener	70	70	65	40	
Mixed viscosity, 25°C	mPas	~ 3,300	~ 3,100	~ 3,500	spread easily	
Potlife, RT	min	30	15	30	25	
Demoulding time, RT	h	12–16	4–6	12–16	12–16	
Physical Data (approx. values)						
Colour		light beige*	light beige*	transparent	green	
Density	ISO 1183	g/cm ³	1.13	1.13	1.12	1.35
Shore hardness	ISO 868	–	D 68	D 68	D 64	D 68
Tensile strength	ISO 527	MPa	25	25	24	20
Elongation at break	ISO 527	%	110	110	100	65
Linear shrinkage	intern	%	0.06	0.07	0.06	–

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

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