

PRODUCT DATA SHEET

SikaBiresin® F512 IN

Casting resin for holes as balancing material

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Properties	Component A SikaBiresin® F512 IN	Component B SikaBiresin® KD100 IN
Chemical base	Polyol	Isocyanate
Density	2.48 kg/l	1.23 kg/l
	Mixed	2.45 kg/l ^B
Mixing ratio	by weight by volume	100 : 7.8 100 : 15.5
Viscosity (CQP029-4)	21000 mPa·s	200 mPa·s
	Mixed	11000 mPa·s
Pot life (CQP021-3 / Gel Timer TECAM)	20 min ^C	
Shore D hardness (CQP023-1 / ISO 868)	65	
Tensile strength (CQP036-2 / ISO 527)	5 MPa	
Elongation at break (CQP036-2 / ISO 527)	30%	
Glass transition temperature TMA (CQP053-1 / ISO 11359)	-30°C	
Shelf life	9 months ^D	

CQP = Corporate Quality Procedure

A) 23 °C / 50 % R.H.

B) cured product at 23 °C

C) at 23 °C, 100 g

D) stored (unopened) in a dry place at 15 – 25 °C

DESCRIPTION

SikaBiresin® F512 IN is the base part of a two component polyurethane potting compound used with SikaBiresin® KD100 IN hardener.

PRODUCT BENEFITS

- Good flowability
- Low shrinkage
- Low heat release
- High density product for less usage

AREAS OF APPLICATION

SikaBiresin® F512 IN is used to cast the holes as balancing material. This product is suitable for professional experienced users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

METHOD OF APPLICATION

Processing Conditions

Before processing SikaBiresin® F512 IN both components have to be mixed homogeneously and air-bubble-free in the correct ratio as indicated with an accuracy of $\pm 3\%$ on Component A and $\pm 2.5\%$ on Component B. Most commercially available metering and mixing equipments are suitable. For advice on selecting and setting up suitable pump system, contact the System Engineering Department of Sika Industry. Consider that the B component is moisture-sensitive and must be therefore only be exposed briefly to air. Packaging of hardner (B) must be closed tightly immediately after use to prevent moisture ingress.

STORAGE CONDITIONS

SikaBiresin® F512 IN minimum shelf life is 9 month under room conditions (18 – 25 °C), when stored in original unopened containers. After prolonged storage at low temperature, crystallisation of components may occur. This is easily removed by warming up for a sufficient time to a maximum of 60 °C. Allow to cool to room temperature before use.

Containers must be closed tightly immediately after use to prevent moisture ingress. The residual material needs to be used up as soon as possible.

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry. Copies of the following publications are available on request:

- Safety Data Sheets

PACKAGING INFORMATION

SikaBiresin® F512 IN

Drum	300Kg
Pail	28Kg

SikaBiresin® KD100 IN

Drum	250Kg
Pail	2.18Kg

BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users can always refer to the most recent version of the local Product Data Sheet for the relevant product, available on our website. The information in any downloaded version is valid as of the time of download.

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