

## PRODUCT DATA SHEET

# SikaBiresin® F26 F27

Unfilled fastcast resin with very quick setting

**TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)**

Properties	Component A SikaBiresin® F26	Component B SikaBiresin® F27
Chemical base	Polyol, unfilled	MDI-based isocyanate, unfilled
Color	Beige	Brown
	mixed	Beige
Density	1.0 kg/l	1.14 kg/l
	cured	1.1 kg/l
Mixing ratio	by weight 100 : 100	
Viscosity (CQP029-4)	110 mPa·s	60 mPa·s
	mixed	130 mPa·s
Pot life (CQP021-4)	200 g at 23 °C	1 minute 40 seconds
Demolding time	15 minutes	
Curing time	at 23 °C 3 days	
Shore D hardness (CQP023-1 / ISO 868)	72 <sup>A</sup>	
Flexural strength (CQP027-2 / ISO 178)	71 MPa <sup>A</sup>	
Flexural modulus (CQP027-2 / ISO 178)	1200 MPa <sup>A</sup>	
Impact resistance (CQP038-2 / ISO 179)	24 kJ/m <sup>2</sup> <sup>A</sup>	
Heat deflection temperature (CQP030-1 / ISO 75B)	104 °C <sup>B</sup>	
Shelf life	12 months	

CQP = Corporate Quality Procedure

<sup>A)</sup> curing condition: after demolding 7 days at 23 °C<sup>B)</sup> post curing at RT + 4 hours at 80 °C
**DESCRIPTION**

SikaBiresin® F26 F27 is an unfilled fast curing 2-component polyurethane system with quick setting for casting of master and core models of small and medium dimensions.

**PRODUCT BENEFITS**

- Very quick setting product
- Very good flow behavior
- Short demolding time
- Can be easily machined
- User friendly mixing ratio

**AREAS OF APPLICATION**

SikaBiresin® F26 F27 is designed for casting of master and core models, negatives and moldings of small up to medium dimensions. The Product is applicable also for thin layers. It is well suited for casting of art and crafts articles. Due to the low viscosity it can reproduce very fine surface details. This product is suitable for experienced professional users only.

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Version 01.01 (04 - 2026), en\_DE

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## METHOD OF APPLICATION

### Surface preparation

The material, processing and mold or master-model temperature shall be between 18 °C and 25 °C.

Make sure the mold or master model is clean, dry, dust and grease free.

If mold or master-model surface is porous, it must be sealed prior applying the release agent.

It is recommended to use wax-based release agents. For further information regarding Sika release agent consult the corresponding Product Data Sheet.

### Mixing process

Prior to use check the material for homogeneity and crystallization. After prolonged storage at low temperature, crystallization of components may occur. This process can be easily reversed by heating the affected component to a maximum of 70 °C until the crystals have disappeared. Allow to cool down to requested processing temperature before use.

Consider, pot life is affected by temperature and mixed quantity.

Prior to mixing both components must be shaken thoroughly. To shake large containers, place them on a table and then carefully turn them over and move them back and forth.

Both components must be mixed homogeneously respecting the defined mixing ratio. The mixing can be performed with a spatula or a machine stirrer at  $\leq 300$  rpm. To secure homogeneous and complete mixing, pour the mixed product into another container and mix again shortly, considering the pot life.

Note: Both containers must be closed tightly immediately after use to prevent moisture ingress.

Once opened the product shall be used as soon as possible.

### Application

Immediately after mixing pour the Product into the mold starting at the deepest point.

Demolding time may vary depending on casted thickness and room temperature.

### STORAGE CONDITIONS

Both components must be stored at temperature between 15 °C and 25 °C in original unopened containers.

### 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® F26 (A)

Canister	5 kg 20 kg
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SikaBiresin® F27 (B)

Canister	5 kg 20 kg
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## 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 must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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