

PRODUCT DATA SHEET

SikaBlock[®] M80

POLYURETHANE DESIGN BOARD

APPLICATIONS

- Manufacture of substructure for design, styling and clay models
- Manufacture of styling models and design studies
- For test milling path proofing

MAIN PROPERTIES

- Easy workable
- Very low thermal expansion
- Good adhesion of putties

DESCRIPTION

Basis	Hard polyurethane foam, beige
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PHYSICAL PROPERTIES

(approx. values)

Density	ISO 845	g/cm ³	0.08
Flexural strength	ISO 178	MPa	1.1
Flexural modulus	ISO 178	MPa	24
Compressive strength	ISO 844	MPa	0.8
Working temperature		°C	-60 / +120
Linear thermal expansion coefficient α_T	DIN 53 752	K ⁻¹	60 x 10 ⁻⁶
Thermal conductivity	ASTM C518	W/(m.K)	0.024

PROCESSING DATA

- The material and processing temperature shall be between 18 °C and 25 °C.
- If the boards need to be bonded, make sure that the surfaces are clean, dry and free of grease or oil.
- For bonding SikaBlock® M80 boards together use SikaBiresin® B200.
- For further information regarding the adhesive and bonding process consult the corresponding Product Data Sheet.
- SikaBlock® M80 can be easily machined by milling, drilling, sawing or modified manually. It is recommended to use high performance tools to machine these boards.
- For milling parameters check information from cutting tool manufacturers or get the General Guideline "Milling parameters for SikaBlock®" for more general information.

PACKAGING UNITS

■ Board:	SikaBlock® M80	2000 mm x 1000 mm x 100 mm, 12 pieces/pallet
		2000 mm x 1000 mm x 200 mm, 6 pieces/pallet
		2000 mm x 1000 mm x 300 mm, 4 pieces/pallet
		2000 mm x 1000 mm x 400 mm, 3 pieces/pallet
		2400 mm x 1300 mm x 100 mm, 12 pieces/pallet
		2400 mm x 1300 mm x 200 mm, 6 pieces/pallet

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 Advanced Resins. Copies of the following publications are available on request: Safety Data Sheets

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.

LEGAL NOTICE

The information, and, in particular, the recommendations relating to the application and enduse 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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