

TEMPORARY PRODUCT DATA SHEET

SikaBlock[®] M700 N

MODEL BOARD WITH DENSITY 0.7

APPLICATIONS

- Data control models and cubings
- Master models and negatives
- Moulds for Low pressure (RIM) casting
- Vacuum forming moulds for lower number of pieces

MAIN PROPERTIES

- Easy machinability
- Low dust formation when milled
- Dense fine surface
- Easy to seal and to varnish
- Very high dimensional stability
- Good compressive strength and edge stability
- Good heat distortion temperature

DESCRIPTION

Basis	Polyurethane, light brown
Adhesive	Biresin[®] Kleber braun Neu , 2K-PUR-System
Filler	Biresin[®] Spachtel braun Neu , 2K-Polyester-System

PHYSICAL PROPERTIES

approx. Values (≈)

Density	ISO 845	g/cm ³	0.7
Shore hardness	ISO 868	-	D 64
Flexural strength	ISO 178	MPa	25
E-Modulus	ISO 178	MPa	1,100
Heat distortion temperature	ISO 75 B	°C	78
Glass transition temperature (T _g)	ISO 11359	°C	86
Linear thermal expansion coefficient α _T	DIN 53 752	K ⁻¹	55 x 10 ⁻⁶

PROCESSING DATA

approx. values

Adhesive/Filler		Biresin® Kleber braun Neu	Biresin® Spachtel braun Neu
Mixing ratio	by weight	100 : 65	100 : 2
Pot life	min	20	5
Setting time	h	8 – 10	➤ 20 min

PACKAGING UNITS

■ Board:	SikaBlock® M700 N	1500 mm x 500 mm x 30 mm, 30 pieces/pallet 1500 mm x 500 mm x 50 mm, 36 pieces/pallet 1500 mm x 500 mm x 75 mm, 24 pieces/pallet 1500 mm x 500 mm x 100 mm, 18 pieces/pallet 1500 mm x 500 mm x 150 mm, 12 pieces/pallet 1500 mm x 500 mm x 200 mm, 8 pieces/pallet
■ Adhesive:	Biresin® Kleber braun Neu, (A) Biresin® G53, (B)	15.4 kg / 1.5 kg net 20 kg / 10 kg / 0.975 kg net
■ Filler:	Biresin® Spachtel braun Neu, (A) BPO-Paste, (B)	2 x 7.74 kg net cartridges (A) / 6 x 1.76 kg net resin tins (A) in a box 2 x 0.16 kg net sticks (B) (for cartridges – A) 6 x 0.04 kg net tubes (B) in a box (for tins – A)

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 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.

Contact

SIKA DEUTSCHLAND GMBH

Business Unit Industry
Stuttgarter Straße 139
72574 Bad Urach
Phone: +49 7125 940-7692
E-Mail: industry@de.sika.com
Website: www.sika.de

SIKA AUTOMOTIVE FRANCE S.A.S.

ZI des Béthunes - 15, Rue de l'Equerre
95310 Saint-Ouen-l'Aumône
CS 40444
95005 Cergy Pontoise Cedex - FRANCE
Phone: +33 1 34 40 34 60
Fax: +33 1 34 21 97 87
E-Mail: advanced.resins@fr.sika.com
Website: www.sikaadvancedresins.fr

AXSON TECHNOLOGIES SPAIN, S.L. –

Sika Advanced Resins
C/Guardaagules, 8 – P.I. Congost - 08520
Les Franqueses del Valles (Barcelona) - SPAIN
Phone: +34 93 225 16 20
E-Mail: sar-sales@es.sika.com
Website: www.sikaadvancedresins.es

AXSON ITALIA S.R.L. – Sika Advanced Resins

Via Morandi 15
21047 Saronno (Va) – ITALY
Phone: +39 02 96 70 23 36
Fax: +39 02 96 70 23 69
E-Mail: axson@axson.it
Website: www.sikaadvancedresins.it

Sika Limited

Head Office, Watchmead – Welwyn
Garden City – AL7 1BQ – United Kingdom
Phone: +44 1707 394444
E-Mail: industry-sales@uksika.com
Website: www.gbr.sika.com

SIKA AUTOMOTIVE SLOVAKIA S.R.O.

Tovarenska 49
953 01 Zlate Moravce - SLOVAKIA
Phone: +421 2 5727 29 33
Fax: +421 37 3000 087
E-Mail: SikaAdvancedResins@sk.sika.com
Website: www.sikaadvancedresins.com

Sika Industry – Tooling, Resins and Marine

30800 Stephenson Highway
Madison Heights, Michigan 48071 - USA
Phone: +1 248 588 2270
Fax: +1 248 616 7452
E-Mail: advanced.resins@us.sika.com
Website: www.sikaindustry.com

SIKA AUTOMOTIVE EATON RAPIDS, INC.

1611 Hults Drive
Eaton Rapids, Michigan 48827 - USA
Phone: +1 517 663 81 91
Fax: +1 517 663 05 23
E-Mail: advanced.resins@us.sika.com
Website: www.sikaadvancedresins.us

SIKA MEXICANA SA de CV

Av. Gustavo Baz #309 Centrum Park
54060 Tlanepantla Estado de MEXICO
Phone: +52 442 238 5800
E-Mail: roman.octavio@mx.sika.com

SIKA AUTOMOTIVE SHANGHAI CO. LTD.

N°53 Tai Gu Road
Wai Gao Qiao
Free Trade Zone, Pudong
200131 Shanghai - CHINA
Phone: +86 21 58 68 30 37
Fax: +86 21 58 68 26 01
E-Mail: marketing.china@axson.com
Website: www.sikaaxson.cn

Sika Ltd.

10 F, Shinagawa Intercity Tower B.
2-15-2 Konan, Minato-ku
Tokyo 108-6110 - JAPAN
Phone: +81 3 6433 2314
Fax: +81 3 6433 2102
E-Mail: advanced-resins@jp.sika.com
Website: www.jp.sika.com

SIKA INDIA PVT LTD,

Plot No. Pap-V-90/1,
Chakan Industrial Area,
Phase-II, Vasuli, Khed, PUNE,
Maharashtra – 410501
E-Mail: info.india@in.sika.com