

PRODUCT DATA SHEET

CP COLORS

COLOR PIGMENTS FOR COLORING VACUUM CASTING RESINS WITH TRANSPARENT EFFECT

APPLICATIONS

- Coloring and pigmenting of polyurethane vacuum casting resins
- With transparency effect when coloring transparent vacuum casting resins

MAIN PROPERTIES

- Easy handling and dosage
- No separation and sedimentation*
- Without abrasive solid particles*
- Intense colors without affecting the mechanical properties of the cured product

*except CP colors white and black

DESCRIPTION

Basis

Binders with pigments

PHYSICAL PROPERTIES

	Viscosity (mPa.s)	Density (g/cm ³)
CP Color white	~ 2,600	~ 1.28
CP Color black	~ 3,000	~ 1.10
CP Color blue	~ 2,500	~ 1.10
CP Color red	~ 1,000	~ 1.13
CP Color green	~ 2,500	~ 1.10
CP Color yellow	~ 2,500	~ 1.10

PACKAGING UNITS

■ CP Colors	0.5 kg
■ CP Colorkit	6 x 0.025 kg

PROCESSING DATA

- When processing CP colors with vacuum casting resins, these may only be added to the polyol.
- Weigh the polyol and add CP colors and then homogenize sufficiently.
- The maximum color addition is 2 – 3 % on the polyol.
- If overdosed, the colored material does not cure completely and affects the mechanical and thermal properties.
- A scaled disposable syringe is recommended for smaller dosages.
- Depending on the color of the material to be colored, a translucent effect may appear when CP colors are added. If desired, this can be converted to an opaque shade by adding white.
- Translucent colors:
 - Add 1 drop of color (approx. 30 mg) to 100 g polyol. A more intensive pigmenting is achieved by adding 3 to a maximum of 5 drops of color (approx. 100 – 150 mg) to 100 g polyol.
- Muted (opaque) colors:
 - Proceed as described under "Translucent colors"; add an additional 10 drops of CP Color white (approx. 300 mg) to 100 g polyol.
- Black coloration:
 - For this purpose, add 10 drops (approx. 300 mg) of CP Color black to 100 g polyol.
- All CP colors (except white and black) are water soluble. Therefore, they can be easily cleaned in water with appropriate cleaning agents.

STORAGE CONDITIONS

Shelf life	■ CP Colors	12 months
	■ CP Colorkit	12 months
Storage temperature	■ CP Colors	15 – 25 °C
	■ CP Colorkit	15 – 25 °C

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

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Contact

SIKA DEUTSCHLAND GMBH

Stuttgarter Straße 139
72574 Bad Urach - GERMANY
Phone: +49 7125 940 492
Fax: +49 7125 940 401
E-Mail: tooling@de.sika.com
Website: www.sikaadvancedresins.de

SIKA AUTOMOTIVE FRANCE S.A.S.

ZI des Béthunes - 15, Rue de l'Équerre
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.

C/Guardaagullés, 8 – P.I. Congost - 08520
Les Franqueses del Valles (Barcelona) - SPAIN
Phone: +34 93 225 16 20
Fax: +34 93 225 03 05
E-Mail: spain@axson.com
Website: www.sikaadvancedresins.es

AXSON ITALIA S.R.L.

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

AXSON UK LTD

Unit 15 Studlands Park Ind. Estate
Newmarket Suffolk, CB8 7AU - UNITED KINGDOM
Phone: +44 1638 660 062
Fax: +44 1638 665 078
E-Mail: sales.uk@axson.com
Website: www.sikaadvancedresins.uk

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 ADVANCED RESINS US

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.sikaadvancedresins.us

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 AUTOMOTIVE MEXICO S.A. DE C.V.

Ignacio Ramirez #20 Despacho 202 Col.
Tabacalera C.P. 06030 CDMX - MEXICO
Phone: +52 55 5264 49 22
E-Mail: marketing@axson.com.mx
Website: www.sikaadvancedresins.mx

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.jpn.sika.com

AXSON INDIA PVT. LTD.

Office n°8, Building Symphony C - 3rd Floor
Range Hills Road
Bhosale Nagar
Pune 411 020 - INDIA
Phone: +91 20 25560 710
Fax: +91 20 25560 712
E-Mail: info.india@axson.com
Website: www.sikaadvancedresins.in