

PRODUCT DATA SHEET

SikaBiresin® B283 (Formerly TCC-5220)

Polyurethane-Based Patch Paste and Adhesive

TYPICAL PHYSICAL PROPERTIES (FOR FURTHER VALUES SEE SAFETY DATA SHEET)

Properties	SikaBiresin® B283 (A) Resin	SikaBiresin® B283 (B) Hardener
Composition	Isocyanate	Polyol
Mix ratio – by weight	100	100
Aspect	Thick liquid	Thick liquid
Color	Brown	Red
Color (mixed)	Red	
Specific gravity at 77°F (25°C) (mixed)	8.59 lbs./gal (1.03 g/cc)	
Gel time (50 g) at 77°F (25°C)	3.0 Minutes	
Finish schedule at 77°F (25°C)	15.0 – 20.0 Minutes	

DESCRIPTION

SikaBiresin® B283 is a two-component, polyurethane-based, patch paste and adhesive. SikaBiresin® B283 provides fast curing and can be machined or sanded in approximately 15 - 20 minutes.

PRODUCT BENEFITS

- Fast curing
- Good adhesion
- Can be sanded and machined
- Cartridge packaging for ease of application
- Red color match for repairing SikaBlock® PP152 and SikaBlock® LAB 850 tooling boards
- Similar hardness and sanding properties to tooling board

AREAS OF APPLICATION

Typical applications include quick repairs or modifications to the SikaBlock® PP152 and SikaBlock® LAB 850 tooling boards. SikaBiresin® B283 can also be used as a fast-setting adhesive, repair, or potting system for various applications.

Tests with actual materials and conditions have to be performed to ensure satisfactory performance.

TYPICAL MECHANICAL AND THERMAL PROPERTIES

Properties, Test Method	SikaBiresin® B283 (A) Resin	SikaBiresin® B283 (B) Hardener
Shore D Hardness, ASTM D2240	80 - 85	

Cured 7 days at 77°F (25°C)

PROCESSING

Normal health and safety precautions should be observed when handling these products:

- Ensure adequate ventilation
- Wear gloves, glasses, and protective clothes

For further information, please consult the Safety Data Sheets.

STORAGE CONDITIONS

Shelf life of resin and hardener is 24 months when stored in original, unopened containers between 65-77°F (15 - 25°C). Keep containers tightly closed.

PACKAGING INFORMATION

Packaging information is available upon request. Please contact your local Sika sales representative.

FURTHER INFORMATION

Advice on specific applications will be given on request. To contact Sika Corporation's Industry Technical Services Department, send an email to tsmh@us.sika.com. Copies of Safety Data Sheets and Product Data Sheets are available upon request.

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.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by contacting SIKA's Technical Service Department via email at

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