

## PRODUCT DATA SHEET

# Sikalastic®-918 FS

(formerly MSeal 918FS)

SIKALASTIC®-918 FS IS A POWDER HARDENER

### PRODUCT DESCRIPTION

Sikalastic®-918 FS is a powder hardener

### USES

- Used to cure the different components of the Sikalastic®-2900 Traffic System.

### CHARACTERISTICS / ADVANTAGES

- Rapid cure allows for quick installation with minimal facility downtime
- Low-temperature cure extends application season
- Seamless, impervious coating that is easy to clean and maintain
- Flexible system that withstands temperature swings

### APPROVALS / STANDARDS

- CSA S413
- ASTM C957

### PRODUCT INFORMATION

<b>Packaging</b>	2.5-Lb (1.1kg) bottle, 4 per case; 50-Lb (22.68kg) carton
<b>Shelf Life</b>	1 year
<b>Storage Conditions</b>	Store in unopened containers in a cool, clean, dry area
<b>Color</b>	Powder is white in color.

### SYSTEM INFORMATION

<b>Systems</b>	Sikalastic® Vehicular Traffic 2900
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### APPLICATION INFORMATION

**Mixing Ratio**

### BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual

site conditions and curing conditions.

## 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.

## APPLICATION INSTRUCTIONS

- If a vapor drive is present or suspected, please consult with your local Sika representative prior to system application.
- Not for use in areas exposed to strong solvents (consult Sika Technical Service).
- Protect or remove food items prior to application to avoid any possible contamination.
- Proper airflow is critical to curing MMA materials. The use of fans is mandatory where airflow is restricted.
- The minimum application temperature is 30 °F (-1 °C).
- Do not apply to concrete that is outgassing.
- Warm temperatures will shorten working time; plan work accordingly.
- Concrete should have a minimum compressive strength of 3,000 psi (21 MPa) and be cured for a minimum of 28 days.
- Do not apply Sikalastic® Vehicular Traffic 2900 to concrete slabs on grade, unvented metal pan decks, or split slab applications with a waterproofing membrane between slabs. Contact Sika Technical Services.
- Be sure to allow for movement in the deck by the proper design and use of expansion and control joints.
- Select the proper type and amount of aggregate to achieve the desired slip resistance.
- Contact Technical Service when substrates are over 90 °F (32 °C) or under 30 °F (-1 °C) or when applying to decks containing between slab membranes.
- The best method to ensure the proper wet film thickness is the use of a grid system. Divide the surface to be coated into grids and calculate the square footage of each. Refer to the coverage chart to determine the quantity of coating needed for each grid to arrive at the required mil thicknesses.
- Avoid application when inclement weather is present or imminent.
- Do not apply to damp, wet, or contaminated surfaces.
- Not suitable for use where chained or metal-studded tires will be used.
- Proper application is the responsibility of the user. Field visits by Sika personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.
- CAD & PDF deck coating details are available for download from our website, Sika Customer Support can direct you to the site.
- On steep ramps in excess of 15%, contact your local

Sika representative. Do not use self-leveling grade products on slopes greater than 15%. Do not coat over expansion joints.

## MIXING

### Mixing

- Sikalastic® P 280 FS Measure 3 quarts of resin and 1 quart of Sikalastic®-908 FS into the pail, blend, and add the proper amount of powder hardener. See the mixing chart below. Mix with a drill mixer for 30 seconds or until the powder hardener is completely dissolved.
- Sikalastic® M 290 FS Mix for 2-3 minutes. Measure 1 gallon of resin and add the proper amount of powder hardener. See the mixing chart below. Mix with the drill mixer for 2 minutes.
- Sikalastic® TC 297 FS Measure 1 gallon of resin and 3 oz of PGM 155 pigment into a 5-gallon pail. Mix for 2-3 minutes. Add the proper amount of powder hardener and mix for an additional 1-2 minutes. See the mixing chart below.
- Sikalastic® TC 299 FS Measure 1 gallon of resin and 6 oz of pigment into a 5-gallon pail. Mix for 2-3 minutes. Add the proper amount of powder hardener and mix for an additional 1-2 minutes. See the mixing chart below. Note: After mixing, apply immediately. You will have 7 – 15 minutes of working time, dependent on temperature.

the required amount of Sikalastic®-918 FS (in volume ounces) for one-gallon resin, based on temperature

°F (°C)	Sikalastic® P 280 FS	Sikalastic® M 290 FS	Sikalastic® TC 297 FS	Sikalastic® TC 299 FS
°30 (°-1)	9	8	11	8
°33 (°1)	8	8	11	8
°35 (°2)	7	7.5	11	7.5
°40 (°4)	6.5	7	11	7
°45 (°7)	6	6.5	9	6.5
°50 (°10)	6	6	8.5	6
°55 (°13)	5	6	7.5	6
°60 (°16)	5	5	6.5	5
°65 (°18)	5	5	5.5	5
°70 (°21)	4	4.5	4.5	4.5
°76 (°24)	4	4.5	4	4.5
°80 (°27)	4	4.5	3	4.5
°85 (°29)	4	4.5	2.5	4.5
°90 (°32)	4	4.5	2	4.5

## CURING TREATMENT

All components of the Sikalastic® Traffic 2900 system fully cure within one hour when properly installed. Extend the curing time in cool-weather conditions.

## CLEANING OF TOOLS

Clean tools with Sikafloor®-100 CLN Pronto, an MMA solvent. Other solvents such as xylene or acetone may



also be used. Collect and dispose of all site waste.

<https://usa.sika.com/en/group/SikaCorp/termsandconditions.html>  
or by calling 1-800-933-7452.

## MAINTENANCE

See Sikalastic® Traffic maintenance technical bulletin. Regular cleaning and maintenance will prolong the life of all polymer flooring systems, enhance their appearance, and reduce any tendency to retain dirt.

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at

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