



PRODUCT DATA SHEET

Sikalastic® M 200

(formerly MSeal M 200)

POLYURETHANE BASE COAT FOR SIKALASTIC® TRAFFIC 1500 AND 2000 DECK COATING SYSTEMS

PRODUCT DESCRIPTION

Sikalastic® M 200 is a one-component, moisture-curing polyurethane base coat for use in Sikalastic® Traffic 1500 and 2000 deck coating systems.

CHARACTERISTICS / ADVANTAGES

- Sikalastic® M 200 has strong adhesion properties
- Easy preparation reduces on-site labor costs
- Available in both self-leveling and flash/sloping

WHERE TO USE

- Stadiums
- Balconies
- Parking Garages
- Commercial Construction
- Building and Restoration
- Plywood Decks/Balconies
- Plaza Decks

PRODUCT INFORMATION

Composition / Manufacturing	Sikalastic® M 200 is a moisture-curing polyurethane base coat.
Packaging	<ul style="list-style-type: none">▪ 18.93 L (5 US gal.) pails▪ 208 L (55 US gal.) drums Self-Leveling Only
Shelf Life	When properly stored, Sikalastic® M 200 products have the following shelf life: <ul style="list-style-type: none">▪ 5-US-Gal. Pail: 1 Year▪ 55-US-Gal. Drum: 9 Months
Storage Conditions	Store in unopened containers in a cool, clean, dry area
Colour	Grayish in color
Solid content by weight	81%
Viscosity	4,000-9,000 cps Cold temperatures will increase viscosity. See preferred Sikalastic® Deck Coating Solution for system-specific physical

TECHNICAL INFORMATION

Shore A Hardness	60	(ASTM D 2240)
Tensile Strength	5.2 MPa (752 psi)	(ASTM D 412)
	Elongation	
	595%	(ASTM D 412)

SYSTEMS

Systems	<ul style="list-style-type: none"> ▪ Sikalastic® Vehicular 1500 ▪ Sikalastic® Vehicular 2000 ▪ Sikalastic® Pedestrian 1500 ▪ Sikalastic® Pedestrian 2000
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APPLICATION INFORMATION

Yield	See preferred Sikalastic® Deck Coating Solution for total system yield
Product Temperature	Precondition material to a temperature of approximately 21 °C (70 °F).
Ambient Air Temperature	between +4 °C and +32 °C (40 °F / 90 °F).
Dew Point	Substrate temperature must be at least 3 °C (5.5 °F) above measured dew point temperature.
Substrate Temperature	between +4 °C and +32 °C (40 °F / 90 °F).
Substrate Moisture Content	<p>Moisture content of concrete substrate must not exceed 4 % by mass (p.b.w. – part by weight) as measured with a Tramex® CM/E concrete moisture meter on a mechanically-prepared surface (mechanical preparation to ICRI / CSP 3 minimum).</p> <p>Do not apply to concrete substrate with moisture levels exceeding 4 % mass (p.b.w. – part by weight) as measured with the above mentioned equipment. If moisture content of concrete substrate exceeds 4 % by mass (p.b.w. – part by weight) as measured with Tramex® CM/E concrete moisture meter, contact your local Sika Representative.</p>
Curing Time	Sikalastic® M 200 cures in 12–14 hours when tested at 23 °C (73 °F) and 50% relative humidity.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- If vapor drive is present or suspected, please consult with your local Sika representative prior to system application.
- Do not apply to concrete that is out-gassing.
- Be sure to allow for movement in the deck by the proper design and use of expansion and control joints.

- When applying Sikalastic® M 200 at interior or contained spaces, provide adequate ventilation with a minimum of six air changes per hour.
- When adequate ventilation for use of Sikalastic Vehicular Traffic 1500 cannot be maintained, consider the use of Sikalastic Vehicular Traffic 2500 coating system.
- On steep ramps in excess of 15%, contact your local Sika representative.
- Do not apply Sikalastic® M 200 to concrete slabs on grade, unvented metal pan decks and split slab applications with a membrane between slabs.
- Avoid application of Sikalastic® M 200 when inclement weather is present or imminent.
- Do not apply Sikalastic® M 200 to damp, wet, or contaminated surfaces.
- Sikalastic Vehicular Traffic 1500 is not suitable for use

where chained or metal-studded tires will be used.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The concrete surface must be clean and sound. Remove any dust, laitance, grease, oil, dirt, curing agents, impregnations, wax, foreign matter, coatings and bond inhibiting material from the surface by appropriate mechanical means, in order to achieve a profile equivalent to ICRI / CSP 3 minimum. The compressive strength of the concrete substrate should be at least 20 MPa (2900 psi) at 28 days and at least 1.5 MPa (218 psi) in tension at the time of application of Sikalastic® M 200.

MIXING

Mix Sikalastic® M 200 to ensure uniform colour and consistency, 3 minutes at low-speed (300 to 450 rpm), using a drill fitted with an Exomixer® or Jiffy type paddle suited to the volume of the mixing container. Keep the mixing paddle immersed constantly in the material to avoid introducing or entrapping air while mixing.

APPLICATION

Apply Sikalastic® M 200 at 25 wet mils thick (0.64 mm) using a proper notched squeegee to entire deck surface, and back roll, overcoating the properly prepared cracks, joints and flashings.

Do not coat expansion joints over 1" (25 mm) wide. Slope grade product should be used on a slope greater than 15%.

CURING TREATMENT

Allow curing time of overnight (16-hour minimum). Extend the curing time in cool or dry weather conditions. The surface of Sikalastic® M 200 should have a slight tack. If the coating has been exposed for a prolonged period, consult Technical Service for recommendations.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

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