BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET

Sikalastic® P 255

(formerly MSeal P 255)

Polyurethane-based primer for Sikalastic® deck coatings

PRODUCT DESCRIPTION

Sikalastic® P 255 is a two-component polyurethane-based adhesive primer for use with Sikalastic® deck coating systems.

WHERE TO USE

- Stadiums
- Balconies
- Parking garages
- Commercial construction
- New building construction and restoration
- Plywood decks/balconies
- Plaza decks

CHARACTERISTICS / ADVANTAGES

- Primer designed for use with a two-component base coat
- Extremely fast cure time allowing for minimal downtime
- Strong adhesion when applied with Sikalastic® M 270 NP base coat

PRODUCT INFORMATION

Composition / Manufacturing	fast-curing polyurethane base
Packaging	Component A: 9,08 L (2.4 US gal.) Component B: 3.78 L (1 US gal.) Components A+B : 12.87 L (3.4 US gal.) Unit
Colour	Clear/Amber
Shelf Life	15 months in original unopened packaging.
Storage Conditions	Store dry at temperatures between 4 °C to 32 °C (40 °F to 89 °F). Protect from freezing. If frozen, contact Sika Canada.
Viscosity	630 cps* * Cold temperatures will increase viscosity.
Solid content by volume	99 %
CSC MasterFormat®	**07 18 00 | TRAFFIC COATINGS**

TECHNICAL INFORMATION

Adhesion in Peel	**Adhesion (Pull-Off)** 2.7 MPa (400 psi) (ASTM D4541)

APPLICATION INFORMATION

Mixing Ratio	A:B = 2.4:1 by volume
Yield	Refer to Sikalastic® Deck Coating Solutions guide for total system yield.
Product Temperature	Before using, condition product between 18 °C to 24 °C (65 °F to 75 °F).
Ambient Air Temperature	Between 4 °C and 32 °C (40 °F and 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 and 90 °F).
Substrate Moisture Content	▪ 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). ▪ 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.
Pot Life	20 minutes (± 5 minutes) at 23 °C (73 °F) and 50 % RH
Curing Time	2–3 hours when tested at 23 °C (73 °F) and 50 % RH

SYSTEMS

Systems	▪ Sikalastic® 1500 Pedestrian / Vehicular ▪ Sikalastic® 2500 Pedestrian / Vehicular ▪ Sikalastic® 2530 Vehicular ▪ Sikalastic® 2575 Vehicular ▪ Sikalastic® 2850 Vehicular

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.

Properties tested at 23 °C (73 °F) and 50 % R.H. unless stated otherwise.

LIMITATIONS

- Thickness and re-coat window are critical; system will not work if installed differently.
- Substrate must be dry prior to application. Do not apply to frosted, wet, damp or contaminated surfaces. Allow sufficient time for substrate to dry to avoid potential for bonding problems.
- If vapour 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.
- Avoid application when inclement weather is present or imminent.
- Protect from dampness, condensation and water contact during the initial 24 hours cure period.
- Do not store materials outdoors or exposed to sunlight for prolonged periods.
- Do not hand-mix or thin with solvents: mechanical mixing only.
- Ensure proper ventillation of the work area.
- Direct-fired gas or kerosene heaters increase the

carbon dioxide content in the air and also produce significant amounts of water vapour. Properly exhaust heaters to the exterior of the building to prevent damage to the work (such as but not limited to amine blush, whitening, debonding, etc.).
- Do not apply to concrete slabs on grade, unvented metal pan decks or split slab applications with a waterproofing membrane between slabs.
- Do not use self-leveling grade product on slopes greater than 15 %. On steep ramps in excess of 15 %, contact your local Sika representative.
- Do not coat expansion joints over 25 mm (1 in) wide.
- Not suitable for use where chained or metalstudded 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® P 255.

MIXING

- Add entire contents of Part B to Part A
- Mix components for a minimum of three (3) minutes, using a a slow-speed (400–600) rpm drill fitted with an *Exomixer®* or *Jiffy* type paddle suited to the volume of the mixing container.
- Scrape down sides and bottom of mixing vessel, then mix again for two (2) minutes.
- Keep the mixing paddle submerged during mixing to avoid entrapping air into the mixture.

APPLICATION

Refer to Sikalastic® Deck Coating Solutions guide for total system and aggregate surface preparation and application. Sikalastic® P 255 is applied in conjunction with Sikalastic® M 270 N base coat.

CLEAN UP

Clean all tools and equipment immediately after use with solvent, such as xylene. Cured material can only be removed manually or mechanically.

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

Sika Canada Inc.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations
Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)