



PRODUCT DATA SHEET

Sikalastic®-705 Arctic Primer

TWO COMPONENT POLYURETHANE TRAFFIC COATING PRIMER FOR COLD WEATHER APPLICATIONS

PRODUCT DESCRIPTION

Sikalastic®-705 Arctic Primer is a two component polyurethane primer for Sikalastic Traffic Coatings formulated to be used in cold weather applications. Intended for use with Sikalastic 720 One Shot Arctic on concrete substrates.

USES

Sikalastic®-705 Arctic Primer may only be used by experienced professionals.

Typical applications include:

- Multi-story parking garages
- Parking decks and ramps
- Foot bridges and walkways
- Mechanical rooms
- Stadiums and arenas
- Plaza and rooftop decks

CHARACTERISTICS / ADVANTAGES

- Can be mixed and installed down to 15°F
- Low VOC formulation
- Fast cure at low temperatures

PRODUCT INFORMATION

Packaging	9.8 gal. kit (2 x 4.41 gal. Part A, 2 x 0.49 gal. Part B)
Shelf Life	1 year in original unopened container under proper storage conditions.
Storage Conditions	Store dry at 15-95 °F (5-35 °C). Condition material to 15-85 °F (-9-30 °C) before using.

APPLICATION INFORMATION

Coverage	160 sf/gal at 10 mils
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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.

USES

- For use under Sikalastic Traffic and Waterproofing coating systems only, not for use under Sikaflex or Sikasil Sealants without Sika Technical Service approval or if indicated on specific product data sheet.
- To avoid dew point conditions during application, relative humidity must be no more than 95 % and substrate temperature must be at least 5°F (3 °C) above measured dew point temperatures.
- Minimum ambient and substrate temperature during application and curing of material is 15°F; maximum is 95 °F.
- Do not apply on substrates with moisture content greater than 4 % by weight, measured by Tramex Concrete Moisture Encounter Meter.
- The substrate should be free of frost and any residue of ice, snow or moisture.
- Minimum age of concrete must be 21–28 days depending on curing and drying conditions.
- Do not thin with solvents.
- Do not store materials outdoors exposed to sunlight and moisture for prolonged periods.
- Do not apply to substrate surfaces where moisture vapor transmission will occur during application and cure. This condition may be checked using ASTM D-4263 (Polyethylene Sheet method).
- Substrate must be dry prior to application. Do not apply to a frosted, wet, or damp surface.
- Allow sufficient time for the substrate to dry after rain or inclement weather, as there is the potential for bonding problems.
- On substrates likely to exhibit outgassing apply during falling ambient and substrate temperature. If applied during rising temperature pin holing may occur.
- Precautions should be taken to prevent vapors and/or odors from entering the building/ structure, including but not limited to turning off and sealing air intake vents and throughwall air conditioners, and other means of vapor/odor ingress during application and cure.
- Any repairs required to achieve a level surface must be performed prior to application (consult a Sika representative for guidance on various product solutions). Surface irregularities may reflect through the cured system.
- On grade concrete decks should not be covered with Sikalastic® membrane systems.
- Unvented metal pan, split/sandwich slab with encapsulated membrane and/or insulation, cinder fill decks, and lightweight insulating concrete overlays should not be covered with Sikalastic® membrane systems without additional deck evaluation to determine substrate moisture content and subsequent

- approval.
- Do not thin with solvent.
- Mockups to verify application methods and substrate conditions including compatability and adhesion testing are highly recommended.

ENVIRONMENTAL, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surface must be clean, dry, and sound with an open texture. Surface must be free from frost and standing water/ice. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes, and any other contaminants. All projections, rough spots, etc., must be removed to achieve a level surface prior to the application.

Concrete - Should be cleaned and prepared to achieve a laitance and contaminant-free, open textured surface by blast cleaning or equivalent mechanical means (CSP-3-4 per ICRI guidelines). Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer and substrate. The compressive strength of the concrete substrate should be at least 3500 psi at 28 days and at least 250 psi in tension at the time of application of Sikalastic®-705 Arctic Primer

MIXING

Premix Part A using a low speed (400–600pm) mechanical mixer and Jiffy Paddle at slow speed (typically 30 seconds). Pour Part B into Part A slowly and while mixing scrape the side of the container. Mix the combined material thoroughly until a homogenous mixture and uniform color is obtained (typically 3 minutes). Use care not to allow the entrapment of air into the mixture.

Note: When mixing at cold temperature, adding Part B will also help make the mixing process easier.

APPLICATION

Apply with flat squeegee and back roll with a phenolic resin core roller at the recommended rate. Allow for sufficient wetting of the slab and backroll, utilizing a ¾" nap roller to eliminate puddles on the surface of the slab. Allow to become tack-free before overcoating, typically 8-12 hours and must be overcoated within 24 hours.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED

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

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Product Data Sheet

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