

Protect 2000/2100-Series Spike



Accelerator Additive for Protect 2000/2100-Series Urethane Systems

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DESCRIPTION:

Protect 2000/2100-Series Spike is a liquid accelerator that will speed the cure rate of Protect 2000 and 2100 Series Urethane systems. It is especially useful in situations where substrate temperatures are expected to be at the systems minimum temperature limit.

ADVANTAGES:

- Reduces the cure time up to 50%
- Easily added at application site
- Safe non-hazardous; DOT Non-Regulated

STORAGE: Materials should be stored in un-opened containers between 65°F (18°C) and 90°F (32°C) and at or below 50% RH.

SHELF LIFE: 1 year from date of manufacture (un-opened).

PACKAGING KITS/ PART NUMBERS:

Available in:
1 Gallon Cans

LIMITATIONS:

The use of **Protect 2000/2100-Series Spike** additive will reduce working times and leveling properties in comparison to Protect 2000-Series or Protect 2100-Series mixed without **Protect 2000/2100-Series Spike** given the same application temperature. This is especially true at higher (>80F) temperatures. The use of this material may cause slight gloss reduction. Use of this material beyond the 2 fl. oz. recommendation at temperatures higher than 80F will show a dramatic increase in viscosity and reduction of working time. Protect 2000-Series or Protect 2100-Series pigmented systems are more subject to this rapid viscosity increase in comparison to as opposed to clear systems at these higher temperatures. Wet edge color uniformity is reduced when coating is accelerated. Use extreme caution at temperatures >80F.

Please contact Technical Service for additional recommendations.

MATERIAL PROPERTIES*:

Properties	Test Method	Results
Flash Point	ASTM D3278	≥188 °F
Weight per gallon	ASTM D1475	8.15 lbs/gal
Viscosity	ASTM D2196	50 cps cPs

MIXING:

Add 2 fl. oz of **Protect 2000/2100-Series Spike** to a large 2.5 gallon kit of Protect 2000-Series or Protect 2100-Series Urethane coatings. This effectively doubles (2X) the active catalyst of the standard product. Up to 6fl. oz. maximum **Protect 2000/2100-Series Spike** can be added in extreme cooler conditions.

Do not use higher levels without contacting the technical department of Protective Industrial Polymers for further information

Cure Profile (72F and 30% RH) Protect 2000/Protect 2100

Standard product (Tack free, light foot traffic ready) 6-7 hrs
2 fl. oz. Protect 2000/2100-Series Spike/2.5 gal. mixed 4.5-5.5 hrs
4 fl. oz. Protect 2000/2100-Series Spike/2.5 gal. mixed 3.5-4.5 hrs

Cure Profile (60F and 30% RH) Protect 2000/Protect 2100

Standard product (Tack free, light foot traffic ready) 9-10 hrs
4 fl. oz. Protect 2000/2100-Series Spike/2.5 gal. mixed 7 hrs
6 fl. oz. Protect 2000/2100-Series Spike/2.5 gal. mixed 5 hrs

Cure Profile (90F and 60% RH) Protect 2000/Protect 2100

Standard product (Tack free, light foot traffic ready) 3-4 hrs
2 fl. oz. Protect 2000/2100-Series Spike/2.5 gal. mixed 1.5-2 hrs.
4 fl. oz. Protect 2000/2100-Series Spike/2.5 gal. mixed Not recommended
6 fl. oz. Protect 2000/2100-Series Spike/2.5 gal. mixed Not recommended

TECHNICAL SUPPORT: For application questions, please contact your salesman or PIP technical service at 440-243-4560.

DISPOSAL: Dispose in accordance with federal, state, and local regulations.

READ SAFETY DATA SHEET (SDS) FOR SAFETY AND PRECAUTIONS. USE PRODUCT AS DIRECTED FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

WARRANTY AND CONDITIONS OF USAGE

WARRANTY AND LIMITATION OF LIABILITY: Protective Industrial Polymers Inc. ("PIP") warrants that its products shall conform to the manufacturer's written specifications and shall be free from defects for one (1) year from the date of purchase. PIP MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES AND DISCLAIMS THE SAME, INCLUDING, WITHOUT LIMITATION, FAILURE OF THE PRODUCT DUE TO ACTS OF GOD, FLOODING, EXTREME OR ABNORMAL TEMPERATURES, HUMIDITY AND MOISTURE, STRUCTURAL CONDITIONS, SITE PREPARATION AND CONDITIONS, ACCIDENTS, DAMAGE CAUSED BY INSTALLATION OF MACHINERY, EQUIPMENT OR FIXTURES WITHOUT ADEQUATE FLOOR PROTECTION OR WITHOUT ADEQUATE TIME FOR CURING, FAILURE TO COMPLY WITH CONDITIONS OF USAGE (SPECIFIED BELOW), VANDALISM, NEGLIGENT OR INTENTIONAL ACTS OF THIRD PARTIES OR OTHER CASUALTIES. If any PIP product fails to conform to this warranty, PIP shall either replace the product at no cost to Buyer or refund the cost of the product, in PIP's sole discretion. Replacement of any product or a refund of the cost of any product shall be the sole and exclusive remedy available to buyer, and buyer shall have no claim for incidental, special or consequential damages, including, without limitation, business interruption damages. Any warranty claim must be made within one (1) year from the date of delivery of products. PIP does not authorize anyone on its behalf to make any written or oral statements which in any way alter PIP's warranty or installation and storage information or instructions in its product literature or on its packaging labels. Any installation of PIP products which fails to conform to such installation information or instructions or the "Conditions of Usage" (specified below) shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of PIP's products for the Buyer's intended purposes.

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