

Perdure P72

Polyaspartic polyurea topcoat



DESCRIPTION

Perdure P72 is a new generation fast-curing, two component, polyaspartic aliphatic polyurea formulated to be used as a sealer or topcoat for interior or exterior use over properly prepared concrete or resinous flooring systems. It has excellent penetration and bond strength to properly prepared surfaces, UV resistant, and abrasion, impact, and wear resistant.

ADVANTAGES

- Self-priming, excellent penetrating to achieve excellent bond strength
- Superior abrasion, impact and wear resistance
- Excellent hot tire pickup resistance
- UV resistance, does not turn 'yellow' or 'amber'
- Reduces floor care, cleaning and maintenance costs
- Low temperature cure

IMPORTANT CONSIDERATIONS

- Substrate temperature must be a minimum of 10°C
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Do not apply over damp or wet substrates
- Avoid applications on surfaces with active moisture vapor transmission
- Very fast set (short working time)

COMPOSITION

- Two component polyaspartic polyurea

SURFACE PREPARATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in Duraamen's Technical Bulletin # 1. Work must be performed by trained or experienced contractors or maintenance personnel. The Duraamen Company's service department is pleased to answer any technical questions.

INSTALLATION

Mixing: Mix 1 parts by volume Part A with 1 part by volume Part B. Use a low speed power mixer. Continue to mix for 1-2 minutes. Best results are achieved if Parts A and B are maintained at 20°C(70°F) for at least 24 hours before use. The working time for Perdure P72 is approximately 15-20 minutes at 20°C(70°F).

Application: Temperature of the substrate during application should be between 7°C(45°F) and 24°C(75°F). For temperatures below 13°C(55°F) use low temperature hardener. Apply using a notched squeegee or magic trowel and back roll it with a phenolic core medium nap roller if necessary.

Cure: At 21°C(70°F), Perdure P72 will be ready for light traffic after 3-4 hours. Full cure for maximum performance will require approx. 3 days at 21°C(70°F).

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

COVERAGE

2.67–8 sq.m/litre (100–300 sq.ft./gal)

COLOR SELECTION

Perdure P72 is available in clear but it can be pigmented upon request which may require longer lead time and increased cost.

AVAILABILITY

Perdure P72 is available throughout the United States and Canada. Contact Duraamen representative in your area for details

MAINTENANCE

After completing the application of Perdure P72, the installer should provide the owner with maintenance instructions.

TECHNICAL SERVICE

Duraamen Engineered Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces

TECHNICAL DATA

| | |
|--------------------------------|--------------------------|
| Viscosity @ 24°C | 250 – 300cps |
| Mixing Ratio | 1:1 |
| Solids Content | 75% mixed |
| VOC | 0 |
| Tensile Strength, ASTM D638 | 5000 |
| Abrasion Resistance, ASTM D968 | 30 liters sand/1 dry mil |

CURE/DRY TIME

| | | |
|--------------|------------------------------------|-----------------------|
| Pot Life | 15min @ 20°C(70°F) | 10min @ 30°C (85°F) |
| Dry to Touch | 1.5 hours @ 20°C(70°F) | 1 hour @ 30°C (85°F) |
| Walkable | 3 hours @ 20°C(70°F) | 2 hours @ 30°C (85°F) |
| Mix Ratio | A:B :: 1:1 (by Volume) | |
| Shelf Life | 12 months (indoor storage at 20°C) | |

CHEMICAL RESISTANCE

| REAGENT | RATING |
|-------------------------|--------|
| Acetic Acid – 5% | L |
| Acetone | L |
| Ammonium Hydroxide 38% | R |
| Beer | R |
| Brake Fluid | L |
| Bleach | L |
| Citric Acid – 30% | R |
| Citric Acid – 40% | L |
| Crude Oil | R |
| Diesel Fuel | R |
| Ethylene Glycol | R |
| Fatty Acids | L |
| Gasoline | R |
| Hydrochloric Acid – 15% | R |
| Lactic Acid – 15% | R |
| Lactic Acid – 50% | L |
| Methyl Ethyl Ketone | L |
| Nitric Acid – 10% | L* |
| Orange Juice | R |
| Peroxide – 35% | L |
| Phosphoric Acid – 85% | L |
| Iodine | L |
| Skydrol | R |
| Sodium Hydroxide – 50% | R |
| Sulfuric Acid – 20% | R |
| Toluene | L |
| Urea | R |
| Vinegar | R |
| Xylene | L |
| Xylene | R |

R-Recommended for continuous service

L-Limited Recommendation, occasional spills

*-May cause slight stain or discoloration

WARRANTY

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