



Urocel 101 Polyaspartic Resin

PRODUCT DESCRIPTION

Urocel 101 is a high performance 100% solids resin, using a proprietary blend of polymers for a broad range of industrial flooring applications. Not only can Urocel 101 be used as a clear sealer, it can be pigmented or mixed with fillers to create a bodied, self-leveling system.

Urocel 101 has a 3 hr. cure with a high gloss finish and is UV stable, making it perfect for both interior and exterior applications.

TYPICAL USES

Urocel 101 can be used as a binder, body, or topcoat. This product should be used when fast cure times, zero VOCs, and UV stability is required.

A polyaspartic resin is recommended in warehouse traffic areas, aircraft hangars, manufacturing facilities, retail sales spaces, laboratories, dining areas, restrooms, offices, and other areas demanding high performance.

PHYSICAL CHARACTERISTICS

Mix Ratio: (A:B, V:V): 2:1

Viscosity (ASTM D2196 cPs): 500

Density (ASTM D1475, lbs/gal): 9.04

Tensile Strength (ASTM D638/C307, psi): 3,600

Pot Life (77°F): 15 min.

Cure Time (75°F, 55% RH): 1.3 hrs light foot traffic, 3 hrs medium duty traffic, 5 days full service.

Shelf Life: Unopened containers Part A = 1 year, Part B = 6 months at 73°F

Volume Solids (%): 100%

VOC (g/l): 0

Induction Time: None

Heat Distortion Temperature (°F, 264-psi load): 120

Shore D Hardness (ASTM D2240): 70

Taber Abrasion (ASTM D4060): 26

DOT Classification Part A: Not regulated

DOT Classification Part B: Not regulated

PROPERTIES

- Excellent resistance to staining and chemicals, such as acids, alkalis, and solvents
- Zero VOC
- 100% Solids
- UV stable
- Excellent color stability
- High abrasion resistance
- Seamless
- Nonporous
- Self leveling properties
- Durable and low maintenance
- High gloss surface appearance
- Fast return to service time

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SURFACE PREPARATION

If applying Urocel 101 to a previous coat with a smooth finish, it is necessary to first sand the smooth finish with 60 grit sandpaper prior to application. If following a different application schedule, please contact your Pilgrim representative.

APPLICATION OF MATERIALS

If pigment is required, mix pigment into Part A prior to mixing with Part B. Use a variable speed drill equipped with a Jiffy mixing blade; mix on low speed until evenly dispersed. Once fully blended, mix A & B using a variable speed drill equipped with a Jiffy mixing blade until well blended for a minimum of two minutes. Scrape sides of mixing bucket with paint stick or spatula to help insure thorough blending of Parts A and B.

If no pigment is required, mix 2 Parts A with 1 Part B by volume. Using a variable speed drill equipped with a Jiffy mixing blade; mix on low speed until well blended for a minimum of two minutes. Scrape sides of mixing bucket with paint stick or spatula to help insure thorough blending of Parts A and B.

Apply Urocel 101 material to floor immediately after mixing by using a brush, roller, squeegee, or trowel. If a second coat is required, it must be applied within 16 hours, other-wise the surface must be sanded with 60 grit sandpaper prior to application.

Application temperature should be between 50°F and 90°F. Substrate temperature must be a minimum of 5°F above dew point. This product should be applied between 25%-80% relative humidity.

Use Pilgrim #5 Cleaner, xylene, acetone, etc. for cleaning tools and equipment soon after use. Do not use solvents on hands or other parts of body. Clean hands and other exposed areas with soap and water.

STANDARD PACKAGING

1 gallon kit (2 parts A, 1 part B in 1 gallon pails).
3 gallon kit (2 parts A, 1 part B in 3 gallon pails)
Pigment: 1 quart can (mix 1 pint: 1 gallon kit).

STORAGE CONDITIONS

Store material in a cool and dry place out of direct sunlight. For best results, material should be stored between 70°F and 90°F. Do not store near open flame or ignition source. Read and understand all product labels and Safety Data Sheets (SDS) prior to use.

CAUTION

Workers should wear protective clothing, eye protection, and impermeable gloves. If allowable exposure limits are exceeded, organic vapor respirators should be worn. All on-site personnel should become familiar with the SDS and appropriate system specification in order to increase hazard awareness.

WARRANTY

Pilgrim Permocoat Inc. warrants that materials shipped to buyers are free of any defects in material or workmanship according to Pilgrim's published data if used in accordance with Pilgrim's specified application procedure. Pilgrim Permocoat Inc. shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended, and in accordance with Pilgrim's application guidelines.

This product is sold by weight, not by volume. Product properties require that containers provided are not completely filled. See price sheet for actual container weight and volume.

Note: This product data sheet was prepared as a general guide only. Please contact your local Pilgrim Representative or our Technical Service department for assistance prior to any application.