



ENVIRO-GRIP™ PUR#555

A Two Component, Low Odor, Liquid Applied, Intercoat Primer for Polyurethane and Polyurea Coatings for Indoor or Outdoor and Light Duty or Heavy-traffic Areas

1.01 DESCRIPTION

Enviro-Grip™ PUR#555 is a two component, low odor, liquid applied, intercoat primer for polyurethane and polyurea coatings. This primer provides good inter-coat adhesion. Enviro-Grip™ PUR#555 is recommended for indoor or outdoor and light duty or heavy-traffic areas. Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

1.02 FEATURES

- 100% Solids
- Excellent Adhesion
- Low Odor
- Low Viscosity
- Solvent Free

1.03 TYPICAL USES

- Concrete
- Glass Reinforced Plastics
- Plywood
- Polyurethane Elastomeric Surfaces

1.04 COLOR

Side-A: black, Side-B: tan

1.05 PACKAGING

2-gallon kit: 1 gallon (3.78 liters) can of Side-A black liquid and 1 gallon (3.78 liters) can of Side-B tan liquid
10-gallon kit: 5-gallon (18.9 liters) pail of Side-A black liquid and 5-gallon (18.9 liters) pail of Side-B tan liquid

1.06 SURFACE PREPARATION

Refer to General and Safety Guidelines for complete information. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3. Surface preparation may be completed by shotblasting or the use of Poly-Tuff Profile and Etch cleaner. Peel and adhesion tests are recommended. Install a 100-200 sqft (9.30-18.58 sqm) mock up of the system to be installed and approve for aesthetics, color, texture, actual coverage rates and functionality before proceeding.

1.07 MIXING

Enviro-Grip™ PUR#555 Side-A and Side-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. The volume mixing ratio is 1 part Side-A black to 1 part Side-B tan liquid (1A:1B). The combined components should be thoroughly mixed using a mechanical mixer at slow speed or for at least 5 minutes if by hand.

TECHNICAL DATA (Based on draw down films)

Theoretical Coverage Rate: 1 gallon/300 sqft or 300 sqft/gallon (0.14 liters/sqm)	
Pot Life 75°F (24°C) @ 50% RH	30-60 minutes
Dry Film Thickness per Coat	5±1 mils (127±25 microns)
Specific Gravity	A-Side: 1.22 ± 0.1 B-Side: 0.98 ± 0.1
Viscosity, at 75°F (24°C) Side-A & B combined	500±100 cps
Total Solids by Weight, ASTM D-2369	97.8 ± 2%
Total Solids by Volume, ASTM D-2697	98.8 ± 2%
Volatile Organic Compounds ASTM D-2369-81	0.21 lbs/gal (25 gm/liter)
Elongation at Break, ASTM D-412	300-400% ± 50 psi

APPLICATION

2.01 APPLICATION BASICS

Enviro-Grip™ PUR#555 should be applied at the rate of 1 gallon/300 sqft or 300 sqft/gallon (0.14 liters/sqm). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic-resin-core roller.

Allow Enviro-Grip™ PUR#555 to become thumbprint-tack free before applying the coating. Approximate tack free time is 1-2 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above dew point. Enviro-Grip™ PUR#555 is very sensitive to heat and moisture. High temperatures and/or high humidity will significantly accelerate the cure time. Low temperature and/or low humidity extend the cure time.

2.02 EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally-safe solvent, as permitted under local regulations, immediately after use.

2.03 SHELF LIFE AND STORAGE

Enviro-Grip™ PUR#555 has a shelf life of 12 months from date of

manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

2.04 LIMITATIONS

- Enviro-Grip™ PUR#555 should be coated within 12 hours after it has become tack free.
- Enviro-Grip™ PUR #555 should not be used on pinholed concrete or where small cavities are present. (See Enviro-Grip™ EP#1 or EP#2 Technical Data Sheets)
- Surfaces must be dry, clean, and free of foreign matter.
- Containers that have been opened must be used as soon as possible.
- Enviro-Grip™ PUR#555 is difficult to clean up after it has cured.
- Do not dilute under any circumstance.
- Not UV stable.

WARNING: This product contains isocyanates and solvent.

Enviro-Grip™ Primer

Selection Chart

N/R = Not Recommended

FEATURES & USES	EP#1	EP #2	PUR #555	EP-WBs	EP #121	EP 404FC
Low Odor	YES	NO	YES	YES	YES	YES
Solvent Free	YES	NO	YES	YES	YES	YES
Low Viscosity	YES	NO	YES	YES	YES	YES
Fast Curing	NO	NO	YES	YES	YES	YES
Meets SCAQMD	YES	(SC) YES	YES	YES	YES	YES
Pedestrian & Vehicular Traffic	YES	YES	YES	YES	YES	YES
Recoat Window (Hours)	12	16	6	12	4	12
SUBSTRATE ADHESION	EP#1	EP #2	PUR #555	EP-WB	EP #121	EP 404FC
Concrete & Masonry	YES	YES	YES	YES	YES	YES
Asphaltic Concrete	TEST	N/R	N/R	TEST	TEST	TEST
Glass Reinforced Plastic	TEST	TEST	TEST	TEST	TEST	TEST
Plywood	YES	YES	N/R	N/R	YES	YES
Abraded Metals	YES	YES	YES	YES	YES	YES
Bonderized Metal	YES	YES	YES	YES	YES	YES

Please read all information in the General & Safety Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. PSI Products are for "Professional Use Only" and preferably applied by professionals who have prior experience with the PSI Products or have undergone training in application of PSI Products. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data, instructions, and project specific recommendations.

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