



PolyFLOOR 9500

Aliphatic Acrylic Polyurethane Clear

Premium topcoat/sealer for exterior epoxy aggregate designed to give maximum protection and enhance the beauty of the natural stone. The non-yellowing topcoat gives the surface a glossy wet look.

Recommended For

Concrete Floors
Exterior Ramps, Decks, and Sidewalks

Features

Superior UV Protection
No Blush
Long Pot Life/Short Dry Time
Excellent Gloss Retention
Outstanding Flow and leveling
Two Component Package

Application:

Natural bristle brush or short napped roller, air assisted airless, HVLP, conventional spray, squeegee.

Application Conditions:

Apply when temperatures are above 50°F and a minimum of 5°F of dew point; relative humidity less than 85%.

Average Dry Time:

Dust Free: ½ - 1 hour (at 77°F / 25°C). Dry for foot traffic overnight.

Resistance To:

Dry Heat - to 150°F

Weather - Excellent Oil Spills - Excellent
Moisture - Excellent Abrasion - Excellent
Solvent - Excellent Petroleum - Excellent
Chemical Fumes - Very good

Theoretical Coverage at 1 mil:

300 - 350 square feet per gallon on epoxy aggregate. The actual coverage will be different, depending on application technique and surface coated.

Thinning:

No thinning required for most applications. If thinning is necessary, consult Technical Bulletin.

Finish:

Super High Gloss

Flash Point:

78°F

% Solids by Volume:

Average of 55%

% Solids by Weight:

Average of 63%

Solvent Type:

Ketones and Acetates

Vehicle Type:

Acrylic / Polyurethane

Viscosity at 77°F (25°C):

57-60 seconds in Zahn 2

Physical Properties:

VOC Actual: 417 g/l • VOC Regulatory: 417 g/l • Weight of Volatiles: 36.5% • Weight of Exempt: 7.4% • Volume of Exempt: 9.2% • Density: 1,000 g/l

Caution:

Recommended application up to 4.0 mils dry film thickness per coat. Heavy applications exceeding this thickness may result in slow dry.



TECHNICAL BULLETIN

Aliphatic Acrylic Polyurethane Clear

Type

Aliphatic acrylic polyurethane.

Intended Use

A premium topcoat/sealer designed to create a clear non-yellowing super high gloss protective coating for any adequately prepared exterior aggregate epoxy surface.

FOR INDUSTRIAL USE ONLY

Chemical Resistance

Resistance to dry heat up to 150° F. Excellent resistance to weather, moisture, oil spills, abrasion, and petroleum. Very good resistance to solvents. Good chemical fumes resistance.

Surface Preparation

Dependent on coating use. Refer to SURFACE PREPARATION Section.

Application

Apply with short napped roller to insure a uniform surface texture. Can be applied with brush or spray.

Colors

Clear

Recommended Film Thickness

Up to 4 mils DFT per coat

FILM THICKNESS PER COAT

Spray

Recommended 2-3 mils DFT per coat

Brush or Roller

Recommended 3 to 4 mils DFT per coat. Two coats may be necessary to insure complete coverage.

Theoretical Coverage at 1 mil

300-350 square feet per gallon on epoxy aggregate.

The actual coverage will be different, depending on application technique, job conditions, and type of surface to be coated.

Tack Free Time at 77°F (25°C)

½ to 1 hour

Drying Time

(foot traffic acceptable)

12 hours at 77°F, light foot traffic

Curing Time at 77°F (25°C)

7 days. Dry time may be shortened with the addition of accelerators.

OVERCOATING TIME

Minimum

As soon as the first coat is dry to the touch

Maximum

De-gloss then recoat.

PHYSICAL SPECIFICATIONS

Pigments

Chemical resistant

Shipping Weight

(approximate)

9500 PolyFloor Clear Coat:

1 Gallon - 9.2 lbs

5 Gallons - 45.3 lbs

9500 PolyFloor Catalyst:

1 pint - 1.4 lbs

Gallon - 6.8 lbs

Solids

Average 55% by volume

Average 63% by weight

Pot Life (at 77°F)

Mixed: 8-12 hours



Mixing Ratio

4 parts clear base : 1 part catalyst

Shelf Life

12 months at 77°F without catalyst

Gloss

Super High Gloss

AREA OF USAGE

As a super high gloss premium topcoat; recommended for exterior aggregate surfaces such as exposed aggregate, flagstone, stamped concrete, interlocking pavers, unglazed tile and most other epoxy concrete products.

CHEMICAL RESISTANCE

- Water • Salt • Acids • Alkali • Solvents •

NOTE: Although 9500 SERIES exhibits resistance to the above environments, this list is not meant to imply an express guarantee in actual service. It is recommended that the user contact Ponderosa Paint Company for specific recommendations when severe exposure is expected.

THINNING

No thinning is required for most spray applications. If necessary, thin 10 to 15% by volume with Envirosol. Envirosol is a zero VOC reducer. Envirosol T-601 slow, T-602 medium, T-603 fast. (Note: always thin after adding hardener or retarder.)

	Density
Envirosol T-601 slow	9.5 lb/gal
T-602 medium	8.3 lb/gal
T-603 fast	7.3 lb/gal

Spray Application

No thinning required for most spray applications. If necessary, thin with Envirosol.

Brush or Roller Application

Usually, no thinning required.

SURFACE PREPARATION

Steel

Not applicable

Concrete

May be applied over freshly finished epoxy as soon as the surface has completely dried. On old epoxy clean with an alkaline solution, such as "Tide," thoroughly dissolved in hot water. Then rinse thoroughly and use a wet/dry vacuum to take up water. Make sure surface dries completely before topcoating. Contact Ponderosa Protective Coatings for specific recommendations.

EQUIPMENT

Spray Application

1. All spray equipment should be thoroughly cleaned and the hose, in particular, should be free of old paint film and other contaminants.
2. Air Pressure:

HVLP	8-10 psi at the air cap
Conventional	45-60 psi at the gun
Air-Assisted Airless	60 psi at the gun

Gun Setup: 1.4-1.7 mm or equivalent
3. When air-assisted airless spray equipment is used, the recommended liquid pressure is 1800 to 3000 psi with a tip size from .009" to .017".

Roller Application

¼" Mohair roller

Brush Application

Chinese Bristle Brush

READ THIS NOTICE SAFETY AND MISCELLANEOUS EQUIPMENT

1. It is recommended that the operator provide himself with clean coveralls and rubber soled shoes and observes good personal hygiene. Certain personnel may be sensitive to various types of resins, which may cause dermatitis or severe allergic reactions.
2. WHEN ADDED, THE THINNER USED FOR



THIS COATING IS FLAMMABLE. CARE, AS DEMANDED BY GOOD PRACTICE, OSHA, STATE AND LOCAL SAFETY CODES, ETC., MUST BE TAKEN. Keep away from heat, sparks and open flame, and use necessary safety equipment (such as air mask, explosion-proof electrical equipment, non-sparking tools and ladders, etc.) Avoid contact with skin and avoid breathing of vapor or spray mist. When working in tanks, rooms and other enclosed spaces, adequate ventilation must be provided. Keep out of the reach of children.

- 3. CAUTION: Read and follow all caution statements on this product technical bulletin, material safety data sheet and container label for this product.**
- 4. Read Material Data Safety Sheet (MSDS) before use.**

MIXING

9500 Series Urethane Topcoat/Sealer comes in a two component package. The coating and the curing agent, 9500 Catalyst, are mixed at a 4:1 ratio. If thinning use four parts (by volume) of 9500 Clear Base, one part (by volume) of 9500 Catalyst. Thoroughly mix.

NOTE: Always thin after adding hardener or additives.
*The addition of solvent may result in a non-compliant ready to spray VOC. Verify with local regulations prior to use.

APPLICATION PROCEDURE

- Surface should be clean, free of dirt, grease and anything that might interfere with adhesion. Use an alkaline solution, such as a cleaner like "Tide" that has been completely dissolved in hot water, rinse well and make sure surface is completely dry.
- Make sure to stir well before using.

- The base must be mixed as follows:

Mix four parts (by volume) clear base with one part (by volume) of 9500 Catalyst. Stir well.

- Polyclad 9500 Clear Urethane Topcoat is roller applied with a ¼" nap roller cover. If using HLVP air atomizing spray equipment, a fluid pressure of 3-15 psi and an atomizing gauge pressure of 45-60 psi are recommended.
- Apply a thin coat leaving no dry areas or puddles. You may touch up after the initial application has been allowed to dry 30 minutes. At 77°F Polyclad will be dry to the touch in an hour and will dry completely overnight.
- If necessary, to achieve a more even application, it is recommended that a second coating (applied at a 90° direction) be applied the same day as soon as the first coat is dry to the touch.
- When the surface is completely coated, clean up all equipment. This material has a 4-8 hour pot life after mixing. Any unused paint and all mixing and application equipment must be flushed and cleaned within 15 minutes after mixing or use.
- Refer to appropriate Material Safety Data Sheets and applicable local, state and federal laws for handling and disposal questions.

INSPECTION

Degree of surface preparation and film thickness shall conform to appropriate specifications outlined in SURFACE PREPARATION and RECOMMENDED FILM THICKNESS sections.

Ponderosa Paint Company warrants its products to be free of defects in materials and workmanship. Since Ponderosa Paint Company has no control over surface preparation or application methods, no guarantee concerning results is offered, expressed, or implied. If this product is found to be defective, liability shall be limited to the refund of purchase price or replacement of product.