



Recognized for its toughness and durability, Seal of Approval is recommended as a protective coating for industrial and marine environments. It is particularly suited for industrial and warehouse flooring. Seal of Approval's performance in corrosion protection, its resistance to abrasion and chemical attack, and overall service life give this polymer coating recognition and certification by civil engineers and State Departments of Transportation. Florida DOT Type O.

TYPE:

Two component - Epoxy / Polyamide
(hardener added prior to application)

APPLICABLE STANDARDS:

Fluid Floors Seal of Approval is recommended for use on Class 1, 2, 3, & 4 concrete floors as classified in table 1.1, AC I standard 302-69.

COMPATIBILITY:

May be applied over cured epoxy coatings or/and other coatings as recommended or tested.

GENERAL PROPERTIES:

Sets to a hard, tough, high gloss coating. Has excellent adhesion to most surfaces with a wide tolerance to field application variables.

Flexibility:	Very Good	
Weathering:	Good	
Abrasion resistance:	Excellent	
Permeability resistance:	Excellent	
Temperature resistance:	200°F continuous 275°F intermittent	
Weight per gal:	Components A & B approx. 9.5 lbs	
Solids:	65% to 72% (Dependent on color)	
Theoretical Coverage:	1120 mils sq. ft./gal	
Recommended Coverage:	250 sq. ft./gal, 4-5 mils dry per coat	
Colors:	Black, white, red, tile red, orange, yellow, navy blue, lt. blue, dark. gray, gull gray, green, lt. green, clear	
Application:	Spray, brush, or roller	
Mixing Ratio:	Approx. 4 to 1 by volume	
Pot life:	8 - 10 hrs. @ 75°F (24°C)	
Recoat:	4 hrs. @ 75°F (24°C) 1 hr. @ 90°F (32°C) or when firm	
Average drying time:	@75°F (24°C) set to touch in 3 to 4 hours. Second coat must be applied within 24 hrs.; after this time additional surface preparation will be required.	
Shelf Life:	18 months (unmixed- sealed)	
Packaging:		
<u>Quart unit</u>	<u>Gallon unit</u>	<u>5 Gallon unit</u>
Part A-26 fl oz	105 fl oz.	525 fl oz.
Part B-6 fl oz	23 fl oz.	115 fl oz

LIMITATIONS:

Apply only in good weather, when air and surface temperatures are above 50°F and surface temperatures is at least 5 degrees above wet bulb temperature reading. For optimum application properties, maintain product in heated storage between 70° and 90°F, or bring the material to this temperature range prior to mixing and application. Dew or rain on Fluid Floors Seal of Approval while uncured may impair its cure and adhesion of subsequent coats.

SURFACE PREPARATION:

Paint only clean dry surfaces. Remove all grease, oil, dirt, and other foreign matter by solvent or detergent washing.

UNPAINTED SURFACES:

Prepare surface and prime, seal, fill, or otherwise coat. Prime concrete surfaces with Titan B-1 primer.

PREVIOUSLY PAINTED SURFACES:

Remove all rust, rust scale, other corrosion products, loose or heavy chalk, and loose or scaling paint by "Hand or Power Tool Cleaning" (SSPC-SP2 or 3 respectively). "Sand or Brush Blast" (SSPC-SP7) any glossy areas until dull. Spot prime bare areas as recommended. To check compatibility, apply coating to representative area of at least 25 sq. ft. and allow to cure and age several weeks. Then inspect for adhesion failure, wrinkling, lifting, blistering, or any other sign of incompatibility.

Coating with Fluid Floors Seal of Approval can then proceed. Fluid Floors III thinner can be used to spot test questionable coatings by following same procedure as above. Results will appear/be ready within an hour or shorter. Thoroughly soak test area.

STEEL:

Prepare surface in accordance with Steel Structures Painting Council Specification No. 10 "Near White Blast Cleaning" (SSPC-SP 10-63T). Use proper type and size abrasive to attain an average profile depth of 2.0 mils. Do not reuse sand or flint abrasives. Grit or shot abrasives must be cleaned of contamination before reuse. Blow dust and grit from surface with clean, dry air. Coat within 8 hours and before rust or contamination occurs. Apply Fluid Floors Seal of Approval as specified over recommended Fluid Floors primers. For immersion service, round all welds and sharp edges to a smooth curve and remove all weld spatter before blast cleaning.

ALUMINUM:

All surfaces should/must be acid etched with Aluminum Brighter solution (1 part acid to 2 parts water). Apply solution by brush or spray until surface is thoroughly wetted. When bubbling ceases (5-10 minutes), wash down surface with fresh water and scrub with a stiff brush. Neutralize surface by washing with 1-2% ammonia solution and water. Rinse with plenty of fresh water. Zinc Chromate is recommended to prime aluminum prior to coating with Seal of Approval.

CONCRETE:

(1) "Brush-Blast Cleaning" (SSPC-SP7) can be used to prepare the concrete by removing all foreign matter and providing tooth for bonding. Remove all dust from surface before starting the application of the coating. Titan B-1 primer is recommended to prime and seal concrete.

(2) "Acid-Etching" All surfaces shall be acid etched with Muriatic Acid solution (1 part acid to 2 parts water). Apply solution by brush or spray until surface is thoroughly wetted. When bubbling ceases (5-10 minutes), wash down surface with fresh water and scrub with a stiff brush. Rinse with plenty of fresh water. If surface is acidic (ph below 7), neutralize surface by washing with 1-2% ammonia solution.

MIXING:

Material is supplied in 2 containers as a unit. Always mix a complete unit in the proportions supplied. Combine entire contents of Part B with Part A and mix thoroughly with a power agitator. Allow 30 - 60 minutes. induction time before application.

THINNING:

Material is supplied at application viscosity and normally needs no thinning. If thinning is necessary, thin with:

EQUIPMENT:

Brush: Good quality 4" wide brush with short hair bristle. Roller: 1/8" mohair or Dynell enamel rollers. Conventional Spray DeVilbiss MBC-510 gun; E tip and 704 air cap; 3/8" ID material hose; double regulated pressure tank with oil and moisture separator.

WORK STOPPAGES:

Do not allow material to remain in hoses. Release pressure from pressure tank and disconnect material hose. Thoroughly flush hose and spray gun with #5 Cleaner.

CLEANUP:

Clean all equipment immediately after use with Fluid Floors #5 Cleaner or 111 Thinner. Spray equipment requires flushing with either of these solvents. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency should depend upon amount sprayed, temperature, elapsed time including delay, etc.

WELDING:

In the event welding or flame cutting is performed on metal coated with this product, do so in accordance with instructions in ANSI/ASC Z 49.1, "Safety in Welding and Cutting." All welded, burned, or otherwise damaged areas should be reprepared to base metal and recoated as specified.

SAFETY:

This product (and any recommended thinners) contains solvents and/or other chemical ingredients. Adequate health and safety precautions should be observed during all storage, handling, use, and drying periods. For safe usage, user is specifically directed to consult the current "Material Safety Data Sheet" for this product. When using this product in a confined space or closed area, consult the current OSHA or ANSI bulletins on safety requirements.

Non toxic after 7 days cured @ 25°C.

CAUTION:

FLAMMABLE! HARMFUL OR FATAL IF SWALLOWED PRIOR TO CURING. If you experience eye watering, headaches, or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave area. Avoid skin contact.

FIRST AID:

Keep out of reach of children. If swallowed, do not induce vomiting. Call physician. Consult "Material Safety Data Sheet" (MSDS) for complete information on safety and handling.

IMPORTANT!

FLUID FLOORS makes no warranty whether expressed or implied, including warranties of fitness for a particular purpose of these products. Under no circumstances shall FLUID FLOORS be liable for incidental, consequential or other damages from alleged negligence, breach of warranty, strict liability or any other theory, arising out of the use or handling of these materials. The sale liability of FLUID FLOORS for any claims arising out of the manufacture, use, or sale of its products shall be for the buyer's purchase price.

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