

PART A GP4750CA1
PART B GP4750CB1

CLEAR
HARDENER

Revised: September 27, 2023

PRODUCT INFORMATION

PRODUCT DESCRIPTION

RESUDECK FLA CLEAR is a two-component clear, rapid cure, high solids, aliphatic polyaspartic topcoat for waterproofing membrane systems. It can be applied in single or multiple coats and is insensitive to moisture.

Features:

- Environmentally friendly
- UV resistant
- Excellent weatherability
- Seamless
- Good chemical resistance
- High gloss

TYPICAL USES

- Parking decks
- Pool decks, showers and balconies
- Decorative flake and quartz systems

GENERAL INFORMATION

LIMITATIONS: CONCRETE:

1. This product is applied as part of a system and requires a primer and base coat.
2. Concrete must exhibit 3000 psi minimum strength. Concrete surfaces to be coated must be free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.
3. New concrete must be cured for 28 days.
4. Uncured materials are sensitive to heat and moisture.

ORDERING INFORMATION

Packaging:

Part A: 1 gallon (3.8L) filled cans
Part B: 1 gallon (3.8L) filled cans

PRODUCT CHARACTERISTICS

Volume Solids: 88% ± 2, mixed (ASTM D2697)

Weight Solids: 90% ± 2, mixed (ASTM D2369)

Mix Ratio: 1:1 by volume

VOC (ASTM D2369-81): <100 g/L ; 0.83 lb/gal

Coverage Rate: 200 ft² per gallon
(18.5 m² per 3.78 liters)

Drying Schedule:

@ 75°F (24°C)

50% RH

Tack Free Time: 1 hour

Dry Hard: 4 hours

Foot Traffic: 6-8 hours

Max. Recoat: 24 hours

Pot Life: 45-60 minutes

Shelf Life: 12 months, unopened
Store indoors at 65°F (18°C) to 90°F (32°C)

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Shore D Hardness	ASTM D2240	65 ± 2
Tear Resistance, Die C	ASTM D624	400 pli ± 30 pli, 70.1 ± 8.8 kN/m
Tensile Strength	ASTM D412	3500 psi ± 300% psi
Ultimate Elongation	ASTM D412	50 ± 10%

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SURFACE PREPARATION

CHECK THE TEMPERATURE: Floor temperature and materials need to be above 40°F (4.4° C). NOTE: Higher temperature application will yield shorter work times.

CHECK THE CONCRETE: Concrete must be structurally sound and sloped for proper drainage. Sherwin-Williams assumes no liability for substrate defects. If you suspect the concrete has been sealed or coated, call your Sherwin-Williams representative for further instructions.

CHECK FOR MOISTURE: Concrete must be dry before application of this floor coating material. Concrete moisture testing must occur. In-situ relative humidity testing is recommended. Readings must be below 75% relative internal concrete humidity when tested in accordance to F2170. If moisture issues are present, the use of a moisture mitigation system may be a consideration. Please call your Sherwin-Williams representative for further information / instructions.

APPLICATION EQUIPMENT

- Protective clothing
- Jiffy mixer blade
- Slow speed drill (500 rpm or less)
- Medium (3/8") nap roller
- 18-24" flat rubber squeegee
- Paint (chip) Brushes
- Roller assembly (18")
- Spiked shoes

ASSEMBLE EQUIPMENT: Due to the limited pot life of the material, all application equipment, etc. should be ready for immediate use. (Clean roller with tape to remove any residual lint.)

PREPARATION

Resudeck FLA Clear is typically applied over an elastomeric base coat that has been broadcast to rejection with decorative flake or quartz. The floor must be swept and vacuumed to remove excess flake/quartz before application begins. If a second coat of Resudeck FLA Clear is applied it must be applied within 24 hours of the application of the first coat. For additional information on surface preparation please see Form G-1.

APPLICATION INSTRUCTIONS

COVERAGE RATE: 200 sq. ft. per gallon (18.5 m² per 3.78 liters).
NOTE: DO NOT APPLY RESUDECK FLA CLEAR THICKER THAN 16 MILS (0.41 mm), 100 sq. ft. per gallon (9.26 m² per 3.78 liters) IN ONE COAT or the result may be a hazy appearance.

PREMIX BOTH PART A & Part B using a Jiffy mixer blade and slow speed drill.

COMBINE AND MIX EQUAL AMOUNTS OF PART A & B by volume. Use separate measuring containers and pour into a mixing pail. Mix only what can be applied in 45 min. Use care not to allow the entrapment of air into the mixture.

MIX FOR 3 MINUTES using a Jiffy mixer blade and slow speed drill. (Failure to do so could result in lower/diminished coating properties.)

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL onto the floor in a single bead.

PUSH THE FLAT SQUEEGEE at an even speed with down pressure to spread the material.

START THE SECOND AND REMAINING PASSES by pushing material parallel to the first stroke. Hold the bead of material near the center of the bar and push at an even speed with slight down pressure. NOTE: The use of spiked shoes will allow freedom of movement on the wet floor. CAUTION: The surface will be slippery.

BACKROLL THE MATERIAL with a 3/8" nap roller for a smooth uniformed appearance. Backrolling is required to even out squeegee lap marks and the coating mil thickness.

IF SECOND COAT IS REQUIRED, REPEAT THE STEPS ABOVE.

At 75°F (24°C) and 50% relative humidity, allow coating to cure a minimum of 2-4 hours before proceeding to subsequent coats. To obtain proper adhesion between coats, it is imperative that recoating be done within 24 hours.

ALLOW 12 HOURS BEFORE PERMITTING LIGHT PEDESTRIAN TRAFFIC AND AT LEAST 40 HOURS BEFORE PERMITTING HEAVY PEDESTRIAN OR VEHICULAR TRAFFIC ON TO THE FINISHED SURFACE.

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CHEMICAL RESISTANCE

Reagent	7 Days
Hydrochloric Acid (10%)	1
Hydrochloric Acid (5%)	1
Propylene Carbonate	3
Acetic Acid (10%)	1
Phosphoric Acid (10%)	1
Sulphuric Acid (60%)	4
Sulphuric Acid (10%)	1
Sulphuric Acid (5%)	1
Potassium Hydroxide (10%)	2
Potassium Hydroxide (20%)	2
Sodium Hydroxide (10%)	2
Sodium Hydroxide (20%)	2
10% Sugar/Water	1
Drinking Water	1
De-Ionized Water	1
Xylene	4
Toluene	4
Isopropyl Alcohol	3
Methyl Ethyl Ketone	4
Skydrol	4
Motor Oil	1
Gasoline (Unleaded)	1
Brake Fluid	4
Transmission Fluid	1

Legend:

- 1 – No visible damage
- 2 – Little visible damage.
- 3 – Some effect swelling, discoloration, cracking
- 4 – Not recommended
- 5 – Satisfactory for splash, spillage and secondary containment (72-96 hours)

The chemical resistance data was obtained from a 70-75 mils [1.78-1.91 mm] film of Resudeck FLA Clear immersed in each chemical listed below at 70-75°F for a period of 7 days. Like other industrial maintenance coatings, Resudeck FLA Clear has chemical and temperature limitations. Please read the Disclaimer. For chemicals other than those listed below, proper testing must be completed prior to application of the coating system. It is advisable to call your Sherwin-Williams representative.

MAINTENANCE

Allow floor coating to cure at least one week before cleaning by mechanical means (e.g., sweeper, scrubber, disc machine).

Care: Proper maintenance will increase the life and help maintain the appearance of your new Sherwin-Williams floor coating. Sweep and scrub your new coating regularly, as dirt and dust are abrasive and can quickly dull the finish, decreasing the life of your coating. Remove spills quickly as certain chemicals may stain and could possibly permanently damage the finish.

Use soft nylon brushes or white pads on your new floor coating. Any brush more abrasive than a soft nylon or white pad can cause premature loss of gloss.

Detergent: Sherwin-Williams has a full range of detergents--general purpose to heavy duty--for your cleaning needs. For assistance in determining which detergent is right for your facility or for additional technical information, contact your Sherwin-Williams representative.

Caution: Avoid scratching or gouging the surface. All floor coatings will scratch if heavy objects are dragged across the surface.

Do not drop heavy or pointed items on the floor as this may cause chipping or concrete popouts in the case of a weak cap.

Rubber tires can permanently stain the floor coating from plasticizer migration. Plexiglass between the tire and the floor coating can prevent discoloration.

Rubber burns from quick stops and starts can heat the coating to its softening temperature, causing permanent marking.

Repair: Repair gouges or scratches or chip outs as soon as possible to prevent moisture or chemical contamination.

SAFETY

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.