RESUFLOR™ AQUA DECO QUARTZ DB

The following information is to be used as a guideline for the installation of the Resuflor Aqua Deco Quartz DB flooring system. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE	PACKAGING
<50 g/L	Primer	Resuflor™ 3460 20% potable water	1:4	200-250 sq ft/gal	1.25 or 25 gals
<50 g/L 0	Slurry @ 1/8”	Resuflor 3460 5150 Aggregate	1:4	100 sq ft/2.5 gal 27-30 lbs/2.5 gal	1.25 or 25 gals 30 lbs
0	1st Broadcast	5900F	To Excess	0.6 lbs/sq ft	50 lb bag
<50 g/L	Bonding Coat	Resuflor™ MPE	2:1	65-70 sq ft/unit	3, 15 or 150 gals
0	2nd Broadcast	5900F	To Excess	0.4 lbs/sq ft	50 lb bag
<100 g/L	Grout Coat	Resuflor™ 3746	2:1	125 sq ft/gal	3 or 15 gals
<100 g/L	Seal Coat	Resuflor 3746	2:1	250 sq ft/gal	3 or 15 gals

For additional topcoat options, consult the Sherwin-Williams Topcoat Selection Guide or contact your Sherwin-Williams Representative.

INSTALLATION

Sherwin-Williams materials shall only be installed by approved contractors. The following information is to be used as a guideline for installation of the Resuflor Aqua Deco Quartz DB. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

SURFACE PREPARATION – GENERAL

Sherwin-Williams systems can be applied to a variety of substrates if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc.

Should there be any questions regarding a specific substrate or condition, please contact the Sherwin-Williams Technical Service Department prior to starting the project. Refer to Surface Preparation Form G-1.

SURFACE PREPARATION – CONCRETE

Concrete surfaces shall be abrasive-blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon system selected. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

TEMPERATURE

Throughout the application process, substrate temperature should be 50°F-90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

GENERAL PRODUCT INFORMATION

PRIMER

MIXING AND APPLICATION

1. Premix 3460B (hardener) using a low speed drill and Jiffy® blade. Mix until uniform, exercising caution not to introduce air into the material.

2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) plus 20% potable water. Mix with low speed drill and Jiffy blade until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.

3. 3460 may be applied via spray, roller or brush. Apply at 250 sq ft/gal to yield 6-8 mils WFT evenly with no puddles making sure of uniform coverage. Coverage will vary depending upon porosity of the substrate and surface texture.

4. Two applications of 3460 Primer may be necessary to adequately seal and fill the surface imperfections and protect against outgassing. This can be accomplished by applying two tight, flat squeegee coats (pushing not pulling) in opposite directions at 15-20 minutes apart.

SLURRY COAT @ 1/8" – FIRST BROADCAST – RESULFOR 3460

1. Premix 3460 Part B using a low speed drill and Jiffy blade. Mix until uniform, exercising caution not to introduce air into the material.

2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform. Slowly add up to 27-30 lbs of 5150 AquArmor S Aggregate per 2.5 gallons of mixed material. Mix with low speed drill and Jiffy blade until uniform, and no lumps remain.

NOTE: Temperatures and environmental conditions may impact leveling. It is acceptable to reduce the aggregate loading up to 10% of the 5150 AquArmor S aggregate to improve leveling. Excess air movement across the surface should be avoided.

3. Immediately pour the mixed material onto the substrate and pull out using a 1/4" V-notched trowel or 1/4" red rubber squeegee.

4. Allow material to self-level, the surface should be lightly backrolled with a looped roller to help smooth. Use a spiny roller to aid in the release of air.

5. System must be broadcast with color quartz (5900F) to build to 1/8" thickness.

6. Allow to cure for 18 hours minimum before applying bonding coat. (Cure times vary depending on environmental conditions.)

BONDING COAT – SECOND BROADCAST – RESUFLOR MPE AND 5900F COLORED QUARTZ

1. Premix Resuflor MPE part A using a Jiffy mixer blade and slow speed drill. Mix for one minute until uniform, exercising caution not to whip air into the material.

2. Add 2-parts Resuflor MPE part A to 1-part B by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform.

3. Immediately pour mixed material onto the surface and spread out using a flat squeegee and cross rolling with a 3/8" nap roller taking care not to leave puddles or dry spots. Guideline coverage: 125 sq ft/gal.

4. Broadcast with color quartz (5900F) to rejection. Allow to cure.

Allow to cure for 24 hours, sweep off excess granules with a clean, stiff-bristled broom. Clean granules can be saved for future use. All imperfections such as high spots should be smoothed before the application of the seal coat.

NOTE: 5900F Granule distribution is critical to the success of the application. The deck's finished appearance depends on the manner in which the granules have been applied. In grass-seed-like fashion, allow the granules to fall after being thrown upward and out. DO NOT THROW DOWNWARD AT A SHARP ANGLE USING FORCE.

GROUT COAT – RESUFLOR 3746

MIXING AND APPLICATION

1. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.

2. Apply 3746 using flat trowel or flat squeegee and backroll with a 1/4" nap roller. Apply at a spread rate of 125 sq ft/gal to yield 13 mils WFT, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.

3. Allow to cure for 24 hours minimum before applying seal coat.

NOTE: Epoxy materials will appear to be cured and "dry to touch" prior to full chemical cross linking. Allow epoxy to cure for two-three days prior to exposure to water or other chemicals for best performance.

SEAL COAT – RESUFLOR 3746

MIXING AND APPLICATION

1. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.

2. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at 250 sq ft/gal evenly with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.

3. Allow to cure 24 hours minimum before opening to traffic.

CLEANUP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

SAFETY PRECAUTIONS

Refer to the SDS before use. Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams Representative for additional technical data and instructions.

MATERIAL STORAGE

Store materials in a temperature controlled environment (50°F-90°F) and out of direct sunlight. Keep resins, hardeners and solvents separated from each other and away from sources of ignition.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Sherwin-Williams Technical Service Department.

DISCLAIMER

The information and recommendations set forth in this document 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 sherwin-williams.com/resin-flooring to obtain the most recent Product Data Information and Application instructions.

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.

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THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

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