

RESUFLO DECO QUARTZ TG46

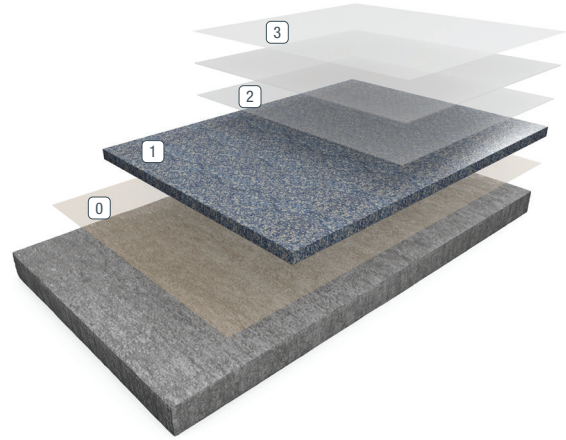
Resuflo Deco Quartz TG46 is a high build protective resurfacing system utilizing a clear high solids epoxy binder resin, multicolored aggregate and a chemical resistant grout and seal coats. Resuflo Deco Quartz TG46 provides an aesthetically pleasing, durable finish with the strength of industrial epoxy mortars.

BENEFITS

- Aesthetically pleasing finish
- High aggregate load accommodates slope to drain on irregular substrates
- Seamless and impervious
- Wide range of colors available

USES

- Commercial kitchens, locker rooms, showers
- Healthcare and pharmaceutical facilities
- Laboratories, clean rooms
- Food and beverage facilities
- Vivariums



- 0 Primer
- 1 Mortar
- 2 Grout Coat (2 Coats)
- 3 Seal Coat

TYPICAL PHYSICAL PROPERTIES

Color	Standard Pre-Blended Colors Custom color matching available upon request
Hardness, @ 24 hours, Shore D ASTM D 2240	85/65
Compressive Strength ASTM C 579	11,000 psi
Tensile Strength ASTM C 307	2,500 psi
Flexural Strength ASTM C 580	4,500 psi
Adhesion ACI 503R	> 300 psi 100% Concrete Failure
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	60 mgs lost
Flammability	Self-extinguishing over concrete

INSTALLATION

Sherwin-Williams materials shall only be installed by approved contractors. The following information is a guideline for the installation of Resuflo Deco Quartz TG46. 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 equal to CSP 4-6. Refer to Form G-1. Consult the Sherwin-Williams Technical Service Department if oil or grease is present.

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 50-90°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 off gassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3579	2:1	250 sq. ft. /gal	3 or 15 gals
<50 g/L 0	Mortar	3561 5900C	4:1	48-50 sq. ft. / 1¼ gal @ 3/16" 72lbs. / 1¼ gal	1.25 - 250 gals 50 lbs.
<100 g/L	Grout	3746G 2 coats	2:1	100 sq. ft. / gal	3 or 15 gals
<50 g/L	Seal Coat	4410/4411	4:1	400-800 sq. ft. /gal	1.25 or 5 gals

For additional topcoat options contact your Sherwin-Williams representative.

PRIMER

MIXING AND APPLICATION

1. Add 2 parts 3579 A (resin) to 1 part 3579 B (hardener) by volume. Mix with low speed drill and Jiffy® blade for three minutes until uniform. Apply via brush, roller or spray at a rate of 250 square feet per gallon (6 WFT mils). Wait for primer to become tacky (usually 1 hour minimum). This prevents primer from bleeding through and sliding during mortar placement. If primer is allowed to cure for more than 4 hours, broadcast lightly but uniformly with clean, dry 40-60 mesh aggregate.

MORTAR

MIXING AND APPLICATION

1. Premix 3561 A (resin) using a low speed drill and Jiffy® blade. Mix for one minute until uniform, exercising caution not to whip air into the material.
2. Add 4 parts 3561A (4 quarts resin) to 1 part 3561B (1 quart hardener) by volume. Mix with low speed drill and Jiffy® blade for three minutes until uniform. Place mixed 3561 into mortar mixer. Slowly add 72 lbs. of 5900C quartz aggregate. Mix until aggregate is thoroughly wet out. Immediately dump mortar onto substrate and screed to desired thickness.
3. Compact and smooth the mortar using a hand or power trowel. Allow to cure (cure times vary depending on environmental conditions).

GROUT COAT

MIXING AND APPLICATION

1. Premix 3746G resin using a low speed drill and Jiffy® blade. Mix for one minute until uniform, exercising caution not to whip air into the material.
2. Add 2 parts 3746G resin to 1 part 3746G hardener by volume. Mix with low speed drill and Jiffy® blade for three minutes until uniform.
3. Apply 3746G using a spring steel trowel or red rubber squeegee and backroll with a 3/8" nap roller at a spread rate of 100 sq. ft. per gallon.
4. Allow to cure. Repeat Steps 1-3.

SEAL COAT

MIXING AND APPLICATION

1. Premix 4410/4411A (resin) using a low speed drill and Jiffy® blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 4 parts 4410/4411A (resin) to 1 part 4410/4411B (hardener) by volume. Mix with low speed drill and Jiffy® blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 4410/4411 using a 1/4" nap roller at a spread rate of 400-800 square feet per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. Allow to cure for 24 hours minimum before opening to light foot traffic.

APPLICATION EQUIPMENT

BRUSH / ROLLER

Use 1/4" phenolic core rollers and professional quality, medium stiff natural bristle brushes.

TROWEL

Use steel finishing trowel or epoxy mortar power trowel such as those manufactured by Superior.

CLEAN UP

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 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.

MATERIAL STORAGE

Store materials in a temperature controlled environment (50-90°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(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult www.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, 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.

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.

United States & Canada

sherwin-williams.com/resin-flooring
swflooring@sherwin.com