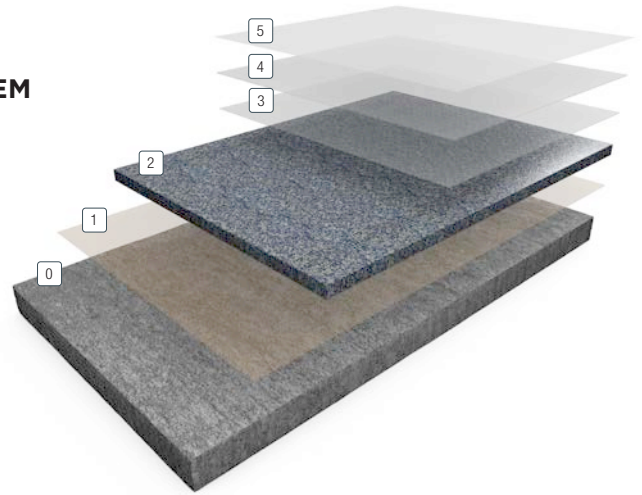


RESUFLOOR™ DECO QUARTZ TG DECORATIVE EPOXY QUARTZ FLOOR SCREED SYSTEM

Resufloor Deco Quartz TG is a decorative epoxy floor screed system incorporating multi-coloured aggregates, designed to produce a hard wearing, attractive surface. Applied at 4 mm minimum thickness and then sealed with clear resins to provide a matt or gloss finish creating an impervious sealed surface.



Traffic	Cure to service (hrs)		
	10°C	20°C	30°C
Light	24–36	12–16	8–12
Designed	72–96	48–72	36–48
Full cure	8 days	≤ 7 days	5 days

- ① **Substrate:**
- ② **Primer:** Resuprime ST
- ③ **Base screed:** Resufloor Q Screed
- ④ **Grout coat:** Resufloor GC-UVR
- ⑤ **Topcoat:** Resufloor HB Clear
- ⑥ **Matt seal:** Resupen WB Matt Clear

BENEFITS

- Decorative and functional surfaces
- Can be used for coving
- Seamless floor to coving finish
- Hard wearing and durable
- Ease of application
- Low odour
- Good slip resistance properties
- Excellent abrasion and impact resistance
- Good chemical resistance

SCOPE OF USE

- Seamless decorative finish for buildings
- Pharmaceutical areas
- Commercial kitchens
- Animal compounds and veterinary areas
- Toilets and washrooms
- Reception areas
- Healthcare industry
- Production areas
- Laboratories
- Industrial workshops
- Prisons and Police cells

TYPICAL PHYSICAL PROPERTIES

Hardness @ 24 hours, Shore D	DIN ISO 7619-1	84
Abrasion resistance	EN 13892-4:2002	AR 0.5
Compressive strength	BS EN 13892-2:2002	56 N/mm ²
Tensile strength	BS 6319-7:1985	5 N/mm ²
Flexural strength	BS EN 13892-2:2002	0.8 N/mm ²
Bond strength	EN 13892-8:2002	>3 N/mm ² (substrate failure)
Impact resistance	EN ISO 6272-1:2011	>4 Nm
Temperature resistance	Tolerant of temperatures up to 60°C	
Chemical resistance	Good	
Reaction to fire	EN13501-1:2018	BFL – s1
UV stable	No	
FerFa class	Class 6	
System thickness	4.5 mm	

SYSTEM COMPOSITION

VOC EC Solvent Emissions Directive

Component	Product	Application	VOC	Theoretical consumption
Primer	Resuprime ST	Roller	86 g/L	0.25 kg/m ²
Base screed	Resuflo Q Screed	Trowel	46 g/L	8 kg/m ² (4 mm depth)
Grout Coat	Resuflo GC-UVR	Roller/squeegee	20 g/L	0.33 kg/m ²
Topcoat	Resuflo HB Clear	Roller	186 g/L	0.25 kg/m ²
Matt seal	Resupen WB Matt Clear	Roller	42 g/L	0.14 kg/m ²

APPLICATION GUIDANCE

IMPORTANT INSTALLATION NOTE

Sherwin-Williams materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the system in conjunction with the product data sheets used for the system. Contact Sherwin-Williams Technical Service Department for assistance prior to application. Email: technicale@sherwin.com or Tel: +44 (0)1204 556457.

SUBSTRATE REQUIREMENTS AND SURFACE PREPARATION GENERAL CONSIDERATIONS

Sherwin-Williams flooring systems can be applied to a variety of substrates. Proper surface preparation is required, specific of the substrate type. Concrete is the most common substrate and this document states surface preparation guidance for this specific substrate. Other types of substrate can also be covered. Please contact Sherwin-Williams Technical Service Department prior to starting the project to obtain guidance on surface preparation for specific substrate or condition.

CONCRETE - SUBSTRATE REQUIREMENTS

To achieve the best performance from Resuflo Deco Quartz TG substrates must be clean, sound, dry and free of surface laitance with a minimum strength of 25 N/mm².

Ideally substrates should be free from rising damp and water pressure and it is good practice to take a moisture content reading of a concrete substrate, particularly for any new slabs.

If substrates have moisture levels above 75% ERH as per BS 8204, or if no damp proof membrane is present then Resuprime MVT

can function as a surface applied damp proof membrane as advised in with the product data sheet. The number of coats of Resuprime MVT will be dependent on the moisture content.

CONCRETE - SURFACE PREPARATION

Concrete surfaces should be prepared by vacuum shot-blasting or mechanical abrasion as required to achieve a surface texture which will function as a mechanical key to maximise adhesion of the resin system.

Thoroughly vacuum the surface and any joints to remove all loose dust and debris. Ensure that all preparation is carried out to the edges of slabs, walls etc. to ensure full bonding of the system to a sound surface. Any debris should be recovered from the floor surface and joints etc.

Significant mechanical damage, pitting and cracks may need to be addressed and repaired prior to the application of the primer; these should be identified by survey.

For recommendations consult Sherwin-Williams Technical Service Department.

TEMPERATURE

Throughout the application process, substrate temperature ideally should be 10°C–25°C and a relative humidity <90% ERH, with a minimum air temperature of 15°C and no condensation. Do not pre-warm this product as working times will be substantially reduced if materials are warm. Substrate temperature must be at least 3°C above the dew point. The material should not be applied in direct sunlight, if possible.

APPLICATION GUIDANCE

SYSTEM INSTALLATION - IMPORTANT: IT IS CRITICAL TO ADHERE TO THE MIXING INSTRUCTIONS FOR FULL SYSTEM CURE AND PERFORMANCE

PRIMER

RESUPRIME ST

1. Mix Resuprime Base with Resuprime ST Hardener. These units are in preweighed containers.
2. Mix using a low speed mixer (300-400 rpm) for 2-3 minutes, until a uniform mixed product is obtained.
3. Resuprime ST solvent-free epoxy resin primer is normally applied by roller, brush and squeegee at 0.25 kg/m². The surface of the wet primer should be scattered with a coarse grade kiln dried sand such as 14/25 mesh and then allowed to cure for a minimum 8 hours at 20°C. Resufloor Q Screed must then be applied within 24 hours. Very rough or porous surfaces may require an extra coat of Resuprime ST.
4. NB: Resufloor Q Screed can be applied directly to wet Resuprime ST in which case the silica scatter is not necessary.
5. If substrates do have moisture levels above 75% ERH prime the surface with Resuprime MVT (number of coats dependent on moisture content).

BASE SCREED

RESUFLOOR Q SCREED

1. Resufloor Q Screed Base with Resufloor Q Screed Hardener. These units are in pre weighed containers. The resin and hardener must be completely mixed by slow speed, forced action mixer for one or two minutes then slowly add Resufloor Q Screed Aggregate mixing for a further minute until an even homogenous consistency is achieved.
2. Mix using a low speed mixer (300-400 rpm) for 2-3 minutes, until a uniform mixed product is obtained.
3. The complete mix should be spread evenly and compacted on the floor to the required weight, or thickness, and trowelled smooth. Applied at 8 kg per m² around 4 mm thickness is achieved on a good surface.
4. Resufloor Q Screed should be worked with a trowel or float to achieve a dense, compacted finish. This is best achieved by the application of smooth even pressure in one direction, gradually increasing the pressure as the material compacts and beds down.
5. Over-working the material will draw fines to the surface which may result in variations in the surface finish.
6. Where possible the use of a lamp being shined across the floor will help identify any trowel marks so these can be eliminated whilst the Resufloor Q Screed is being applied.
7. The surface should be protected from temperatures of less than 10°C and moisture in the early stages of cure.

COVING

1. Resufloor Q Screed can be used to form coving at the same time as the floor is applied to achieve a seamless continuous finish which is recommended.
2. Applied with a 100 mm base 3 kg of Resufloor Q Screed will typically form 1 linear metre of coving to a height of 150 mm which should be applied onto a semi-cured tack coat using Resuprime MVT.
3. Where coving is applied in advance of the floor laying process a join line may be visible between the cove and floor.

NB: Cure times are extended at low temperatures.

GROUT COAT

RESUFLOOR GC-UVR

1. Resufloor GC Base with Resufloor GC Hardener. These units are in preweighed containers.
2. Mix with a low speed drill and spiral paddle for 2-3 minutes until uniform.
3. Apply by squeegee one coat of Resufloor GC-UVR at a rate of 0.33 kg/m² to a consistent finish to seal the
4. Resufloor Q Screed without any ponding of the resin.

TOPCOAT

RESUCOAT HB CLEAR

1. Mix Resufloor HB Clear (base) with Resufloor Clear Hardener. These units are in pre weighed containers.
2. Mix using a low speed mixer (300-400 rpm) for 2-3 minutes, until a uniform mixed product is obtained.
3. Resufloor HB Clear is applied by roller and brush consistently at a coverage rate of 0.25 kg/m².
4. If a very smooth profile is required a further coat of Resufloor HB Clear should be applied at 0.2 kg/m².
5. Resufloor HB Clear provides a Gloss finish which can be used as the wearing coat for Resufloor Q Screed, but it is usually completed with a further roller application of Resupen WB Matt Clear to provide an even flat finish. This is effective in minimizing any floor undulations and providing a more scratch and abrasion resistant surface.

MATT SEAL COAT

RESUPEN WB MATT CLEAR

1. Mix Resupen WB Matt Clear Part A (base) with Resupen WB Clear Matt Part B (hardener). These units are in pre weighed containers.
2. Mix using a high speed mixer and paddle with high shear for 2-3 minutes, until a uniform mixed product is obtained.
3. Resupen WB Matt Clear is applied by roller and brush at a coverage rate of 0.14kg/m². Ensure the material is cross rolled consistently for an even finish. This is effective in minimizing any floor undulations and providing a more scratch and abrasion resistant surface.



**RESUFLO DECO QUARTZ TG
FINISHED WORKING FLOORING SYSTEM,
PHARMACEUTICAL PRODUCTION PLANT.**

CLEAN UP

Cleaning up mixing and application equipment immediately after use. For details see the Product data Sheet.

SAFETY

Refer to the SDS sheet before use. All applicable laws and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with regional legislation.

MATERIAL STORAGE

Store materials in a temperature controlled environment (10°C–30°C) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

MAINTENANCE AND CLEANING

Sherwin-Williams recommends a floor cleaning regime is used for maximum performance and aesthetics of the resin floor, using adequate cleaners.

Where required floor scrubbers, rotary washers or power washing can be operated.

All surfaces should be thoroughly rinsed with clean water after the use of cleaners.

If more information is requested contact your local Sherwin-Williams representative.

Please refer to the Sherwin-Williams Guide for cleaning resin floors for advice.

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 technicale@sherwin.com 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 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.