Protective & Marine Coatings
PRODUCT DATA SHEET

RESUFLOR™ TERRAZZO

05/2023 Issue 7 – REF: EPTZ

PRODUCT DESCRIPTION

Resuflor™ Terrazzo is a decorative, seemless epoxy based resin terrazzo screed.

ADVANTAGES

- Hard wearing and durable
- Wide variety of design options
- Easy to clean
- Abrasion and impact resistant
- Low odour
- Seamless finish

RECOMMENDED USE

A wide range of commercial applications such as:

- Schools and education facilities
- Hospitals and medical facilities
- Retail units and commercial spaces
- Airports
- Shopping malls
- Public buildings

PRODUCT DATA

Volume Solids: 100%

VOC: <50 g/l calculated per full mixed unit

Colours: Bespoke colours available, contact Sherwin-Williams.

Finish: Decorative smooth screed

Flash Point: N/A

Cleanser/Thinner: RS Epoxy Solvent for cleaning only

Pack Size: 17.5 kg

Pack Weights: 3.6 kg base, 1.4 kg hardener, 12.5 kg filler, 12.5 kg decorative aggregate 1-3mm / 3-5mm or blend per mix (not supplied by Sherwin-Williams)

Mixing Ratio: 2.5 parts base to 1 part hardener to 8.9 parts aggregate/stones by weight

Mixed Density: ~2.20 g/cm³

Shelf Life: 36 months (base, hardener & stones) & 6 months (aggregate)

Storage: Keep out of direct sunlight. Store in a dry place, between 5°C to 30°C. Aggregates must be stored in a dry area to prevent contamination by moisture, as this will have a detrimental effect on the product.

Recommended Application Methods: Trowel

Typical Properties at 20°C

Cure Times

Minimum time before first grind: 24 to 48 hours

Minimum time for first polish (once grouted): 12 to 24 hours

Full Chemical Cure: 7 to 10 days

Pot Life: 15 to 20 minutes from mixing.

Pot life refers to the usable working life of the material following mixing and immediate application. If product is left in the container after mixing and not used, hazardous fumes may be released due to an exothermic reaction.

Typical Consumption: 2.2kg/m² per mm

The coverage rate will vary depending on the texture and porosity of the substrate, site conditions, film thickness and method of application.

System Thickness (Recommended): 12 mm ground down to 10 mm.

SURFACE PREPARATION

Concrete substrates must be sound with a minimum compressive strength of 25 N/mm², a minimum tensile strength of 1.5 N/mm² and a relative humidity at the surface of no more than 75%.

It is essential that all laitance, surface sealers and curing membranes and any surface contamination, such as oil, grease and dirt, existing coatings and loose material is removed by suitable mechanised equipment. Contained shot-blasting, planning or scarifying to CSP 4-6, for detailed information, refer to ICRI Guideline No.310.2R-2013.

After surface preparation, all loose debris and dirt should be removed using vacuum equipment.

Weak concrete must be removed, and local repairs carried out.

This Data Sheet is specifically subject to the disclaimer which can be found at http://protectiveemea.sherwin-williams.com/Home/Disclaimer

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APPLICATION CONDITIONS

The recommended application temperatures of the areas should be kept between 15 - 30°C throughout the application and the curing period, otherwise thiscould have an adverse effect on the appearance and colour of thesystem. Surface temperature must be above 10°C. The substrate anduncured floor must be kept at least 3°C above the dew point to reducethe risk of condensation forming.

RECOMMENDED SYSTEMS

Refer to product system guide for further information.

MIXING AND APPLICATION

Mixing:
Materials should be pre-conditioned at 15°C to 25°C prior to use. Mix the entire contents of the base component with the hardener component using a low speed electric mixer (300 - 400 rpm) for 1 - 2 minutes until homogeneous. For larger areas, pour the mixture into a rotary drum mixer and add the aggregate component steadily, mixing for a minimum of 3 minutes until a homogeneous mix is obtained.
The mixed unit should be applied immediately after mixing.

Application:
Refer to product system guide for further information.

TECHNICAL INFORMATION

The following figures are obtained from laboratory tests and our experience with this product.

Category Guide: FeRFA Type 6

Bond Strength: >3 N/mm² (Substrate failure)
(BS EN 13892-8:2002)

Temperature Resistance: Tolerant of temperatures up to 60°C

Abrasion Resistance: AR 0.5 (Less than 50 microns wear)
(BS EN 13892-4:2002)

Reaction to Fire: Bfl-s1
(EN 13501-1:2018)

Compressive Strength: 47.6 N/mm²
(BS EN 13892-2:2002)

Flexural Strength: 6.3 N/mm²
(BS EN 13892-2:2002)

Tensile Strength: 4.5 N/mm²
(BS EN 6319-7:1985)

Slip Resistance: >40 in dry conditions
(BS 7976-2:2002+A1:2013)

Impact Resistance: Class II
(BS EN 1504-2:2004)

WARRANTY

Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this datasheet is liable to modification from time to time in the light of experience and normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.

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.

HEALTH AND SAFETY

Consult Safety Datasheet for information on safe storage and handling of this product.

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BS EN 13813 SR B3.5-AR0.5-IR>4
Resin coating/screed for use inside buildings as per data sheet

Wear resistance	AR 0.5
Bond strength	B 3.5
Impact resistance	IR > 4

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