



RESUFLOOR™ SL ESD

03/2023 Issue 6 – REF: RESM

PRODUCT DESCRIPTION

Resufloor™ SL ESD is a static-dissipative, self-smoothing, epoxy floor coating with an easy-to-clean smooth, gloss finish.

ADVANTAGES

- Static-dissipative seamless finish
- Silica free
- Hard wearing and durable
- Ease of application
- Hygienic and easy to clean
- Abrasion and impact resistant
- Good chemical resistance
- Smooth finish

RECOMMENDED USE

A wide range of industrial applications such as:

- Pharmaceutical and chemical plants
- Electronic industrial areas
- Medical environments
- Oil and gas facilities
- Industrial workshops
- Food and beverage facilities

PRODUCT DATA

Volume Solids: ~100%

VOC: <92 g/l calculated per full mixed unit

Colours: Limited colour range - please contact Sherwin-Williams for more information. NOTE: The black aggregate component may shift the colour darker. This will be more noticeable in lighter and low opacity colours.

Finish: Smooth gloss

Flash Point: N/A

Cleanser/Thinner: Do not thin
RS Epoxy Solvent for cleaning only

Pack Size: 30 kg

Pack Weights: 6.95 kg base/3.05 kg hardener/20 kg aggregate

Mixing Ratio: 2.3 parts base to 1 part hardener to
6.5 parts aggregate by weight only

Mixed Density: ~1.8 g/cm³

Shelf Life: 36 months (base, hardener and aggregate)
when stored in unopened containers

Storage: Keep out of direct sunlight.
Store in a dry place, between 5°C and 30°C

Recommended Application Methods: Trowel and spiked roller

Typical properties at 20°C

Cure Times

Light Traffic: 24 hours

Full Traffic: 72 hours

Full Chemical Cure: 7 days

Pot Life: 25 to 30 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 (Theoretical):

1.8 kg/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): 2.5 mm - 4.5 mm (nominal)

SURFACE PREPARATION

Ensure surfaces to be coated are clean, dry and free from all surface contamination such as oil, grease and dirt to achieve satisfactory adhesion.

Substrate should be primed using Resuprime™ ESD. REFER TO DATA SHEET FOR FURTHER INFORMATION.

For application onto other substrates, refer to Sherwin-Williams..



RESUFLOTM SL ESD

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APPLICATION CONDITIONS

The recommended application temperatures of the areas should be kept between 15°C - 30°C throughout the application and the curing period, otherwise this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C. The substrate and uncured floor must be kept at least 3°C above the dew point to reduce the risk of condensation forming. Applied coating should be protected from moisture during application and during the curing period. Exposure to moisture during this time can cause surface and colour variations.

RECOMMENDED SYSTEMS

Refer to product system guide for further information.

MIXING AND APPLICATION

Prior to mixing, the temperature of the three components must be between 15°C and 25°C. Pre-mix the coloured base component before use. Add the ResufloTM SL ESD base to the mixing vessel then add the hardener component and mix using a low speed electric mixer (300 to 400 rpm) for approximately 30 seconds until homogeneous. Add the aggregate whilst mixing, mixing for approximately 3 minutes until homogeneous scraping the sides of the mixing vessel until a uniform, lump-free mix is obtained.

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 5

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

Temperature Resistance: Tolerant of temperatures up to 60°C at 3 mm

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

Abrasion Resistance: AR 0.5 (Less than 50 microns wear)
(BS EN 13892-4:2004)

Compressive Strength: 38.6 MPa
(BS EN ISO 604:2003)

Flexural Strength: 24.2 N/mm²
(ISO 178:2010)

Tensile Strength: 9.2 MPa
(BS EN ISO 527-2:2012)

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

Electrical Resistance: <10⁹ Ω
(BS EN 61340-4:2004+A1:2015)

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 B3.0-AR0.5-IR>4

Resin coating/screed for use inside buildings as per data sheet

Wear resistance	AR 0.5
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Bond strength	B 3.0
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Impact resistance	IR > 4
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