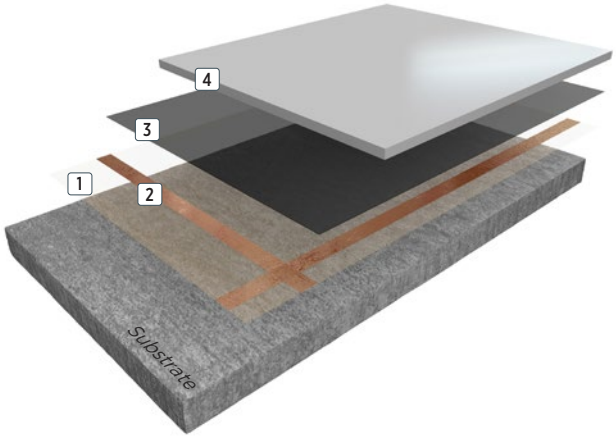
RESUFLOR™ TOPFLOOR SL ESD

Resuflor Topfloor SL ESD is a static-dissipative, self-smoothing, epoxy resin flooring system which provides a durable floor with an electrical conductivity leakage resistance of 10^9 ohms when tested to BS EN 61340-4-1: 2004+A1:2015. The system comprises selected epoxy resins, conductive fillers and pigments to provide an aesthetically pleasing gloss finish with resistance against chemical attack and abrasion. It is ideal for production areas and clean rooms where a static-dissipative, smooth, tough and hygienic floor is required.



4 Screed: **Resuflor SL ESD**

3 ESD Primer: **Resuprime™ ESD**

2 Earthing: **Copper tape**

1 Primer: **Resuprime ST**

5mm

BENEFITS

- Seamless
- Static dissipative
- Gloss finish
- Silica free
- Hard wearing
- Hygienic
- Good chemical resistance
- Smooth finish for precise operation equipment
- Meets the requirements of EN 61340-5-1:2016 and tested according to EN 61340-4-5 and EN 61340 4-1
- Impermeable and non-porous
- Non-dusting

USES

- Laboratories
- Electronics manufacturing
- Workshops
- Printing and packaging areas
- Television studios
- Automotive production
- Pharmaceutical processing
- Chemical plant processing
- Operating theatres
- Data centres
- Battery manufacturing

FEATURED COLOURS (also available in a range of RAL colours)

Stirling

Flint

Black

Traffic Blue

Salsa

Forest Green

This reproduction approximates the actual colour. Factors such as the type of product, degree of gloss, texture, size and shape of area, lighting, heat, or method of application may cause colour variance. Substituting other manufacturers' colours may not be representative of our blends. Contact your Sherwin-Williams representative for details.

SYSTEM COMPOSITION

Coat	Product options	Theoretical consumption kg/m²	Application
Primer	Resuprime™ ST	0.30	Squeegee / roller
Copper tape		n/a	Self-adhesive
ESD Primer	Resuprime ESD	0.25	Roller
Screed	Resuflor SL ESD	4	Trowel / spiked roller
Approximate thickness: 5mm			

TYPICAL CURE TIMES

Temperature	10°C	20°C	30°C
Foot traffic	24 - 36 hrs	16 - 24 hrs	8 - 12 hrs
Full traffic	72 - 96 hrs	72 hrs	36 - 48 hrs
Full chemical cure	10 days	7 days	5 days

CHEMICAL RESISTANCE

Sherwin-Williams High Performance Flooring offers a broad range of systems to accommodate nearly every industrial, commercial and institutional setting. Each flooring system includes a standard chemical resistant topcoat or surface proven to perform under typical conditions.

Important considerations:

- The combination of cleaning solutions, sanitising chemicals, processing substances and products found in any operational setting is unique.
- Knowing exactly which materials are present – as well as their concentrations and typical exposure times before cleanup – is critical for proper flooring system selection.
- During the specification process, a flooring system's standard chemical resistant topcoat may get replaced with one better suited to unique facility conditions.

The ability of a flooring system to perform as designed relies heavily on proper selection. Matching each use case with the right chemical resistant flooring is key to a having a facility looking great and functioning at peak level over the long term.

See our Chemical Resistance Guide and other technical resources on our website. Connect with a Sherwin-Williams High Performance Flooring expert for help with specifying an optimal flooring system for your facility.

TYPICAL PHYSICAL PROPERTIES

Electrical resistance	BS EN 61340 - 4 - 1:2004+A1:2015	<10^9 ohms
Hardness @ 24 hours, Shore D	BS ISO 7619 - 1:2010	70
Abrasion resistance	BS EN 13892 - 4:2002	AR 0.5
Compressive strength	BS EN ISO 604:2003	38.6 MPa
Tensile strength	BS EN ISO 527 - 2:2012	9.2 MPa
Flexural strength	BS EN ISO 178:2010+A1:2013	24 N/mm²
Bond strength	BS EN 13892 - 8:2002	>3 N/mm² (substrate failure)
Reaction to fire	BS EN 13501 - 1:2018	C_{fl} - s1
Temperature resistance	Temperatures up to 60°C at 3mm	
Impact resistance	BS EN 1504 - 2:2004	Class II
FeRFA category	5	

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.

FIND YOUR LOCAL CONTACT

resinflooring.sherwin.eu

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