RESUFLOR™ ESD

SYSTEM GUIDE

STATIC-DISSIPATIVE EPOXY SELF-LEVELLING FLOOR SYSTEM

Resuflor™ ESD is a static-dissipative epoxy resin-based flooring system which provides a flooring with reduced electrical conductivity leakage resistance. The system comprises selected epoxy resins, conductive fillers and pigments to provide an aesthetically pleasing finish with resistance against chemical attack and abrasion. It is ideal for production areas and clean room type situations where a static-dissipative smooth tough and hygienic floor is required.

2 - 4 mm

Benefits

- Seamless
- Static dissipative
- Gloss finish
- Silica free
- Extremely 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

Scope of use

- Laboratories
- Electronic production areas
- Workshops
- Printing and packaging areas
- Food manufacture and processing
- Power station areas
- Studios
- Automotive production
- Pharmaceutical and chemical plant processing
- Operating theatres

DESIGNED TO PERFORM

resinflooring.sherwin.eu

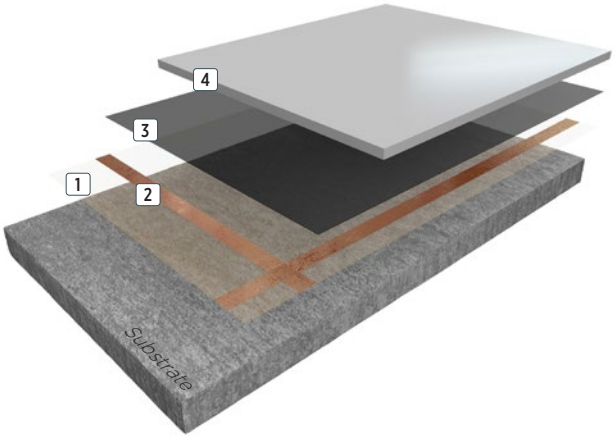
SHERWIN WILLIAMS® | HIGH PERFORMANCE **FLOORING**

4 Topcoat: **Resuflor™ SL ESD**

3 Primer: **Resuprime™ ESD**

2 Earthing: **Copper tape**

1 Primer: **Resuprime™ ST**



SYSTEM COMPOSITION

Coat	Product options	Theoretical consumption kg/m²	Application
Primer	Resuprime™ ST	0.30	Roller / squeegee
Copper tape	Copper Tape	n/a	Self-adhesive
Primer	Resuprime™ ESD	0.25	Roller
Topcoat	Resuflor™ SL ESD	3.50 - 6.50	Trowel / spiked roller
	Approximate thickness	**2 - 4 mm**	

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

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	48 - 72 hrs	36 - 48 hrs
Full chemical cure	10 days	7 days	5 days

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.

Please report to Product Data Sheets and Safety Data Sheets for detailed application guidance.

WARRANTY

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