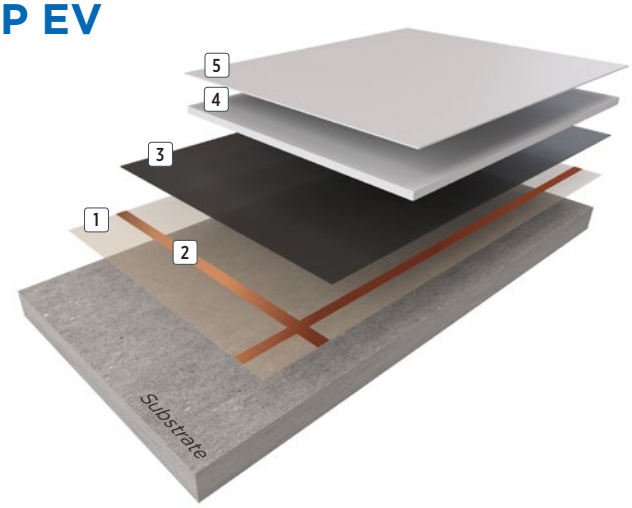
RESUFLOR™ TOPFLOOR SL ESD NMP EV

Resuflor Topfloor SL ESD NMP EV is a unique 3mm thick static-dissipative, self-levelling epoxy resin floor system with a highly chemical resistant topcoat. Specifically designed for battery manufacturing plants due to its combination of ESD performance and 7 day NMP resistance. Also well suited to use in laboratories, pharmaceutical and chemical plants.



5 Topcoat: **Resutile™ SDS**

4 Conductive self-leveller: **Resuflor SL ESD**

3 Conductive primer: **Resuprime™ ESD**

2 Earthing: **Copper tape**

1 Primer: **Resuprime MVT**

3mm

BENEFITS

- 7 days resistance to N0Methyl-2-Pyrrolidone (NMP)
- 14 day resistance to Dimethyl Carbonate (DMC)
- Electro-Static Dissipative (ESD)
- High Chemical Resistance
- Lightly textured profile reduces slip potential
- Includes moisture vapour barrier for fast installation and ideal for dryrooms
- Easy to clean off carbon black and graphite
- Highly durable
- Satin finish
- UV stable



USES

- Battery manufacturing
- Battery recycling
- Cleanrooms/Dryrooms
- Chemical plants
- Pharmaceutical
- Laboratories
- Automotive manufacturing
- Heavy manufacturing
- Aerospace manufacturing
- Electronics manufacturing

RESUFLOR™ TOPFLOOR SL ESD NMP EV
SYSTEM GUIDE

FEATURED COLOURS

Canada Grey | Light Grey | Black | Sandy Beige | Rich Green | Regal Blue

Rotunda Red | White | Bright Yellow | Steel Grey | Charcoal | Tile Red

* Also available in **Safety Red** and **Safety Yellow**.

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™ MVT	0.6	Roller
Earthing	Copper tape	n/a	Adhesive
Conductive primer	Resuprime™ ESD	0.25	Roller
Conductive self-leveller	Resuflor SL ESD	5.4	Trowel / Spiked roller
Topcoat	Resutile™ SDS	0.1	Roller
Approximate thickness: 3mm			

TYPICAL CURE TIMES

Temperature	10°C	20°C	30°C
Foot traffic	24 hrs	24 hrs	24 hrs
Full traffic	48 hrs	48 hrs	48 hrs
Full chemical cure	14 days	14 days	14 days

CHEMICAL RESISTANCE

Chemical	1 days exposure	7 days exposure	14 days exposure
N-Methyl-2-Pyrrolidone (NMP)	No change	No change	
Dimethyl Carbonate	No change	Slight discolouration	Slight discolouration
Carbon black	No change	No change	
Graphite	No change	No change	
Hydrochloric Acid 10%	No change	No change	
Nitric Acid 10%	No change	No change	
Sulfuric acid 37% (battery acid)	No change	No change	
Ethylene Glycol (antifreeze)	No change	No change	
Skydrol	No change	No change	
Sodium chloride 20%	No change	No change	

TYPICAL PHYSICAL PROPERTIES

Abrasion resistance	ASTM D4060	CS-17 wheel, 1000gm load, 1000 cycles – 38 mg loss
Compressive strength	BS EN ISO 604:2003	38.6 MPa
Tensile strength	9.2 N/mm²	
Flexural strength	BS EN 13892-2:2002)	24.2 MPa
Bond strength	BS EN 13892 - 8:2002	>3 N/mm² (substrate failure)
Impact resistance	BS EN 1504 - 2:2004	Class II
Temperature resistance	Tolerant of temperatures up to 60°C	
Chemical resistance	Excellent	
Reaction to fire	BS EN 13501-1:2018	C_{fl} – s1
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.

resinflooring.sherwin.eu

FIND YOUR LOCAL CONTACT

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