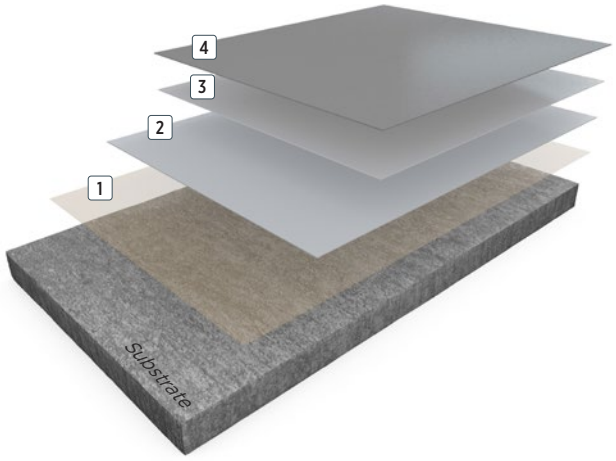
RESUFLOR™ TOPFLOOR SL ADVANCED NMP EV

Resuflor Topfloor SL Advanced NMP EV is a 3mm thick epoxy self-levellling resin floor system with two highly chemical resistant topcoats providing a durable satin finish. Specifically designed for EV battery manufacturing plants due to its resistance to NMP and carbon black but also well suited to use in pharmaceutical, laboratories and chemical plants.



4 Topcoat: **Resutile™ HTS**

3 Topcoat: **Resutile HPS**

2 Screed: **Resuflor SLX**

1 Primer: **Resuprime MVT**

3mm

BENEFITS

- 14 day resistance to N-Methyl-2-Pyrrolidone (NMP)
- 14 day resistance to Dimethyl Carbonate (DMC)
- Very high chemical resistance to a broad range of chemicals
- Resistant to AGV/AMR wheeled traffic
- Lightly textured profile reduces slip potential
- Easy to clean off carbon black and graphite
- UV stable

USES

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

RESUFLOR™ TOPFLOOR SL ADVANCED 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	0.3	Roller / Squeegee
Screed	Resuflor SLX (3mm)	6	Trowel / Spiked roller
Topcoat	Resutile™ HPS	0.1	Roller
Topcoat	Resutile HTS	0.12	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	No change
Dimethyl Carbonate	No change	Slight discolouration	Slight discolouration
Carbon black	No change	No change	No change
Graphite	No change	No change	No change
Hydrochloric Acid 30% (Muriatic)	No change	No change	
Skydrol	No change	No change	
Brake fluid	No change	No change	
Jet Fuel	No change	No change	
Ethylene Glycol	No change	No change	
Sulfuric Acid 37% (battery acid)	No change		

TYPICAL PHYSICAL PROPERTIES

Abrasion resistance	ASTM D4060	CS-17 wheel, 1000gm load, 1000 cycles – 11.7 mg loss
Compressive strength	BS EN ISO 604:2003	46.9 MPa
Tensile strength	15.3 N/mm²	
Flexural strength	BS EN 13892-2:2002)	45 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	B_{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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