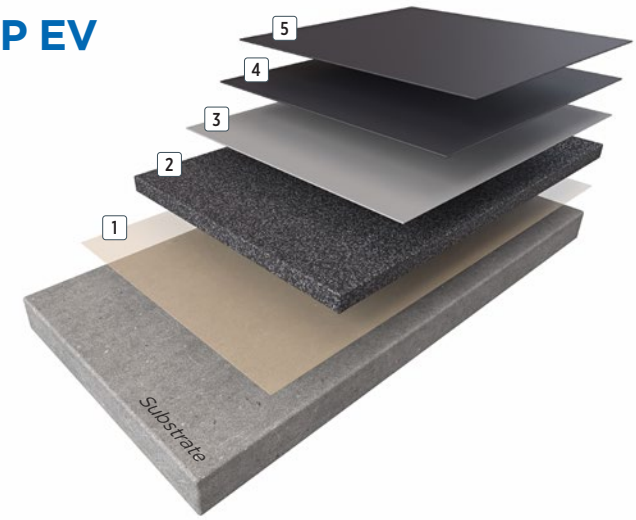
# RESUFLOR™ SCREED ADVANCED NMP EV

**Resuflor Screed Advanced NMP EV** is a high strength epoxy screed system with two high chemical resistant topcoats providing a durable, satin finish. Specifically designed for EV battery manufacturing plants due to its resistance to NMP, carbon black and AGV wheels. Also well suited to use in pharmaceutical, laboratories and chemical plants.




5 Topcoat: **Resutile™ HTS**

4 Topcoat: **Resutile HPS**

3 Grout Coat: **Resuflor HB**

2 Screed: **Resuflor Screed**

1 Primer: **Resuprime™ MVT**

**4 - 6mm**

## 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 heavy AGV/AMR wheeled traffic
- Lightly textured profile reduces slip potential
- Easy to clean off carbon black and graphite
- Heavy duty system
- Low emissions
- UV stable
- Screed can be power trowelled for fast installation



## USES

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

# RESUFLOR™ SCREED 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 Screed (4 - 6mm) | 2kg per mm | Trowel |
| Grout Coat | Resuflor HB | 0.4kg/m2 | Roller |
| Topcoat | Resutile™ HPS | 0.1 | Roller |
| Topcoat | Resutile HTS | 0.12 | Roller |
| Approximate thickness: 4-6mm | | | |

## 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 | 63.0 MPa |
| Tensile strength | 10 N/mm² | |
| Flexural strength | BS EN 13892-2:2002) | 8.6 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 | 6 | |

### 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.

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