



Specialist Construction Supplies for Repair, Maintenance, Building & Infrastructure

Resuline Data Sheet

Specification notes

Product: **Resuline**

Supplier:

Arcon Construction Supplies
19-20 Prestwood Court
Leacroft Road
Warrington
WA3 6SB

Tel: **01925 852225**

Email: mail@arconsupplies.co.uk

Web: www.arconsupplies.co.uk

Call 01925852225 or visit [Arcon Construction Supplies](http://www.arconsupplies.co.uk) website

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DESCRIPTION

Resuline is a fast curing high-build epoxy coating system for application of demarcation lines, hazard warning logo's, hatching and direction for pedestrian and truck routings. The coloured high gloss finish is hard wearing and has good general chemical resistance.

Resuline can be applied to a wide variety of surfaces and finishes subject to appropriate preparation.

Resuline is designed to be applied by brush, roller or trowel to tapes and markers with the minimum of creep, even on textured surfaces.

ADVANTAGES

- High-build line marking in one application
- Minimal creep at line edges
- Fast setting on curing
- Low odour solvent free
- Hygienic and easily cleaned
- Good colour stability

RECOMMENDED USES

- Food processing and beverage line marking
- Chemical plant room line marking
- Engineering workshop line marking
- Automotive & aviation line marking
- Factory unit line marking
- Excellent for all demarcation and walkways

PRODUCT INFORMATION

System Thickness (Recommended)	200-500 microns per coat
Solids Content	100% solids by weight
Pack Sizes	2.5kg
Pack Make Up	1 x Base 1 x Hardener
Shelf Life	12 months (Base & Hardener)
Storage	Keep out of direct sunlight. Store in a dry place, between 15°C- 30°C

APPLICATION INFORMATION at 20°C

Coverage Rate (Theoretical)	2.5 kg. will cover 62 linear metres @ 240 microns thickness 100mm wide *Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.
Pot Life	15 minutes
Recoating Intervals	4 - 5 hours or once surface has lost tackiness
Light Traffic	8 - 10 hours
Full Traffic	24 - 36 hours
Full Chemical Cure	Up to 7 days



Specification

Product : Resuline

Finish : Gloss Finish

Recommended thickness range : 200-500 µm

Colour : Limited colour range, please consult Sherwin-Williams

Products required for this system

Primer : Where required
(See Priming Section below)

Surface Seal : Not required

Preparation

New Concrete Floors: New concrete must be clean, sound, dry, and fully cured and surface laitance removed preferably by vacuum enclosed shot blasting or mechanical grinding, a minimum strength (f 25N/mm² is required.

Existing Concrete Floors: Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and make sure all residue of detergent is washed and removed by rinsing with clean water.

Local repairs should be carried out using **Resupatch** or **Resuscreed 45**.

Coated Surfaces: Prepare surface to ensure that there is an adequate mechanical key. Care should be taken to ensure compatibility between the existing surface and **Resuline**.

Set out line markings as required marking positions with tape or chalk as appropriate. Ensure that all surfaces are prepared before mixing and only mix materials as required.

Priming

Open and porous substrates may require priming with **Resuseal WB**, also **Resuprime NT** may be used as a primer on dry substrates only with less than 75% ERH reading. Where the Relative Humidity of a substrate exceeds 75% ERH **R.S. Dampshield FH** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table.

ERH% Required Coating Thickness
75-85 1 coat of R.S.DAMPSHIELD FH at 200 microns per coat
85-92 2 coats of R.S.DAMPSHIELD FH at 200 microns per coat
92-97 3 coats of R.S.DAMPSHIELD FH at 200 microns per coat

For Further information please refer to recommended individual product data sheets.

Application

The ambient temperatures of the areas should not be allowed to fall below 15°C throughout the application and the curing period, as this could have an adverse effect on the appearance and colour of the system. Surface temperature must be above 10°C. Where possible it is recommended that the application area is heated to a minimum temperature of 15°C ideally to allow the ambient and substrate temperature to stabilise prior to installation.

Mixing: Pre-mix the coloured base component to a uniform consistency then mix the entire contents of the base with the hardener. If a separate mixing bucket is being used mix thoroughly ensuring all contents of both components are removed from the buckets supplied. Mix using a slow speed electric mixer for approximately two minutes or until the two components have fully combined.

Application methods should be selected based on the size and area to be covered, and the thickness of the line to be applied. Short or medium pile good quality rollers or brushes should be used, or straight edges such as trowels can be used if applying to tapes. Spread the material rapidly and then roll to finish. Remove tapes shortly after application, by pulling across the line. Do not hold bulk materials in a pot or scuttle, as this increases the rate of reaction reducing the working time. Ensure that rollers are changed regularly to prevent cure of materials in the roller.

Resuline is not normally recoated, if required re-coat as soon as the surface is tack free (i.e. 4 hours onwards). For the best inter-coat adhesion **Resuline** should be applied not later than 24 hrs after previous coatings.

Category Guide

FeRFA Category : 3

Technical Information

The following figures are obtained from laboratory tests and our experience with this product .

Slip Resistance	Dry > 60
Method BS7976 pt1-3 2002	Wet (Please consult Sherwin-Williams)
The slip resistance of a floor surface can vary as a result of the installation process, conditions at the time of application and subsequent traffic. Inappropriate cleaning or maintenance can adversely affect the performance. For further advice on potential wet areas please consult Sherwin-Williams	
Abrasion Resistance	NA
Method BS8204 /ASTM D4060	
Temperature Resistance	Tolerant of sustained temperatures of up to 45°C
Chemical Resistance	Good chemical Resistance Consult Sherwin-Williams on specific materials
VOC	74 g/l calculation based on a full mixed unit
Life Expectancy	3-4 years plus Subjected to industrial Traffic Sherwin-Williams terms and conditions will apply

Maintenance and Cleaning

Sherwin-Williams recommend that **Resuline** should be cleaned with a regular industrial cleaning regime with a floor scrubber utilising **R.S. Industrial Floor Cleaner** or similar with dirty water being removed. Isolated localised cleaning can be carried out using **R.S. Tyre Mark Remover, R.S. Fats, Oils & Grease Remover & R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Please refer to the Sherwin-Williams Guide to Cleaning of Resin Floors

Health and Safety

Resuline is formulated from materials designed to achieve the highest level of performance as safely as possible. However, specific components require proper handling and suitable equipment, this information is given in the relevant safety data sheets. In all cases, spillages or skin contamination should be cleaned as soon as practically possible, by dry wiping of the affected area, and thorough washing with soap and water.

The information given in this data sheet is derived from tests and experience with the products and is believed to be reliable. The information is offered without guarantee to enable purchasers to determine for themselves the suitability of the product for their particular application. Any specification or advice given by Sherwin-Williams or its agents is based on the information supplied by the purchaser. Sherwin-Williams cannot be held accountable for errors or omissions as a result of that information being incorrect or incomplete. No undertakings can be given against infringement of patents. Some materials are derived from natural sources. As such some variation may occur. Site conditions may also contribute to variation in finish and colour.

Sherwin-Williams Protective & Marine
Tower Works, Kestor Street, Bolton, BL2 2AL, United Kingdom
Tel : + 44 (0) 1204 521771 F: + 44 (0) 1204 382115
W : Sherwin-williams.com/protectiveEMEAI
Registered in England : Reg. No. 893081
Reg. Office Tower Works, Kestor Street, Bolton BL2 2AL England