



EPOXY FLOOR COATING SYSTEM

Resuflor™ Coating is an epoxy resin coating system, that can be built either with High-build resins or thin film water-based resins. Applied by roller, paint brush and squeegee the system produces a tough, seamless and hygienic floor finish. Gloss or sheen coloured surfaces are achievable, suitable for all areas of industry where a hard-wearing resistant floor coating is required.

0.1 - 0.5 mm

Benefits

- High-build finish
- Hygienic and easily cleaned
- Superb adhesion, especially when using water-based resin.
- Good colour stability
- Gloss or lower sheen finishes available
- Available in a wide range of colours
- Hard wearing

Scope of use

- Food processing and beverage areas
- Chemical plant rooms
- Engineering workshops
- Automotive and aviation areas
- Factory units
- Warehouses
- Excellent for all demarcation and walkways
- Concrete sealer (water-based option)
- Water based option is suitable for all types of masonries, asphalt and wood

DESIGNED TO PERFORM

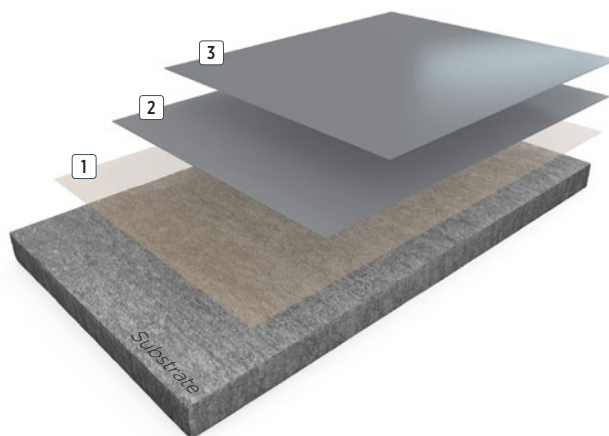
resinflooring.sherwin.eu

**SHERWIN
WILLIAMS®**

HIGH
PERFORMANCE
FLOORING

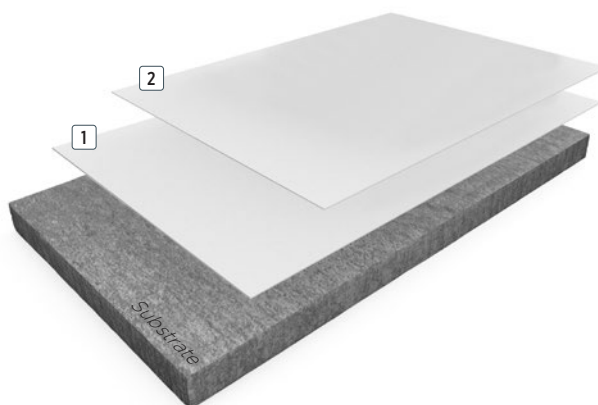
HIGH-BUILD EPOXY COATING

- 3 Topcoat: **ResufloTM HB Coloured**
- 2 Base coat: **ResufloTM HB Coloured**
- 1 Primer: **ResufloTM WB Clear / Coloured** or **ResuprimeTM ST**



WATER-BASED EPOXY COATING

- 2 Topcoat: **ResufloTM WB Clear** or **Coloured**
- 1 Primer: **ResufloTM WB Clear** or **Coloured**



SYSTEM COMPOSITION

		High-build epoxy coating	Water-based epoxy coating	
Coat	Product options	Theoretical consumption kg/m²		Application
Primer	Resufloor™ WB Clear / Coloured¹	0.16	0.16	Squeegee / roller / spray
	or Resuprime™ ST	0.30		Squeegee / roller
Base coat	Resufloor™ HB	0.25		Squeegee / roller
Topcoat	Resufloor™ WB Clear / Coloured		0.16	
	or Resufloor™ HB Coloured	0.25		Squeegee / roller
	Approximate thickness	0.5 mm	0.1 mm	

¹ Dilute before application adding water (10%)

TYPICAL PHYSICAL PROPERTIES

		High-build epoxy coating	Water-based epoxy coating
Pendulum hardness	BS EN ISO 1522:2006		83
Abrasion resistance	ASTM D4060 - 14	140.1 mg loss per 1000 cycles	101.5 mg loss per 1000 cycles
Compressive strength	BS EN ISO 604:2003	9.6 MPa	
Tensile strength	BS EN ISO 527 - 2:2012	3.6 MPa	26 MPa
Flexural strength	BS EN ISO 178:2010+A1:2013	3.2 N/mm ²	
Vapour permeability	BS EN ISO 7783:2018		73.19 g/m ² day
Bond strength	BS EN 13892 - 8:2002	>3 N/mm ² (substrate failure)	
Impact resistance	BS EN 1504 - 2:2004	Class II	
Temperature resistance		Temperatures up to 60t°C	
Chemical resistance		Good	
Reaction to Fire	BS EN 13501-1:2018	B _{fl} - s1	

TYPICAL CURE TIMES

Temperature	10°C	20°C	30°C
For Resufloor HB High Build Epoxy			
Foot traffic	24 - 36 hrs	12 - 16 hrs	8 - 12 hrs
Full traffic	72 - 96 hrs	48 - 72 hrs	36 - 48 hrs
Full chemical cure	8 days	Up to 7 days	5 days
For Resufloor WB Waterborne Epoxy			
Light traffic	24 - 36 hrs	16 - 24 hrs	8 - 16 hrs
Designed traffic	48 - 72 hrs	36 - 48 hrs	24 - 36 hrs
Full chemical cure	10 days	7 days	5 days

Please refer to individual product datasheets.
Drying times are based on 50% relative humidity.
Higher levels of humidity and poor air flow may prolong curing times.

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

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. No warranty or guarantee of any kind is made by Sherwin-Williams, expressed or implied, statutory, by operation of law or otherwise including merchantability and fitness for a particular purpose.