



Resutile Wall

Revised 03/2018—Issue 1 : REF : TIWL 2016 11

DESCRIPTION

Resutile is a high grade, two-pack, hard wearing polyurethane wall coating designed for excellent chemical resistance which is light-fast and flexible. Resutile Wall has good resistance to impact, abrasion and high temperatures.

ADVANTAGES

- Excellent chemical resistance
- UV stable
- Good abrasion and impact resistance
- Hygienic and easy to clean
- Excellent resistance to thermal shock
- Has a degree of flexibility

RECOMMENDED USES

- Aircraft hangars
- Laboratories
- Prisons and police cells
- Chemical plants
- Pharmaceutical areas
- Medical and healthcare
- Suitable for concrete, plaster, brick, blockwork, ceramic tiles

PRODUCT INFORMATION

System Thickness (Recommended)	100-150 microns WFT 56-84 microns DFT *The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application it may vary.
Solids Content by Weight	68% It may vary slightly for different colours
Solids Content by Volume	56% It may vary slightly for different colours
Pack Sizes	5 litres
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)	5 litres will cover 50m ² @ 100 microns wet thickness. * Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.
Pot Life	40 minutes
Recoating Intervals	6 hours or once surface has lost tackiness
Light Traffic	24 hours
Full Traffic	72 hours
Full Chemical Cure	7 days



Specification

Product : Resutile Wall

Finish : Gloss

Recommended thickness range : 100-150 µm WFT per coat

Colour : Limited colour range, please consult Sherwin-Williams

Products required for this system

Primer : Resuseal WB Clear

System : 1 or 2 Coats of Resutile Wall
(Multiple coats will be required to achieve full coverage on low opacity colours such as bright yellows and reds)

Surface Seal : Not required

Preparation

Surfaces to be coated must be clean, sound, dry and free of any contaminants that could impair good adhesion. Hard smooth surfaces should be abraded or sanded to provide a mechanical key. Where open block work is to be coated this should be filled and bag rubbed with a sand cement mix to create a continuous, smooth paintable surface.

Substrate temperature should be between 10-30°C with relative air humidity of 70% maximum. Cold, high humidity and lack of air movement can cause a patchy finish, gloss reduction and delay in curing and damage to final properties. To prevent this ensure good drying conditions and air ventilation prevail throughout the application and cure of the product.

Priming

Open and porous substrates will require priming. **Resuseal WB Clear** is recommended and depending on the porosity and texture of the surface to be primed may require two coats. **Resuseal WB Clear** will not seal block work as it is a thin film primer only.

Application

Mixing: Pre-mix the base component to a uniform consistency then add the entire contents of the hardener to the base and mix by using a slow speed hand held powered mixer and mixing paddle for approximately two to three minutes to achieve consistent mixture. Note: Do not use a separate mixing bucket as it may affect the mixing ratio.

The mixed unit should be applied immediately by roller or brush with a consistent procedure, cross-rolling to ensure even application and to minimise roller marks.

Do not add solvent to this product as it could adversely effect the final finish and properties of the coating.

Category Guide

FeRFA Category : 1 and 2

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 Average loss per 1000 cycles
Method BS8204 /ASTM D4060 79 micrograms

Temperature Resistance Tolerant of temperatures of up to 100°C.

Chemical Resistance Excellent chemical Resistance
Consult Sherwin-Williams on specific materials

VOC 430 g/l calculated per full mixed unit

Life Expectancy 2-4 years depending on applied thickness and subject to traffic, maintenance and cleaning regime. Sherwin-Williams terms and conditions will apply.

Maintenance and Cleaning

Sherwin-Williams recommend that **Resutile Wall** should be cleaned with a regular industrial cleaning regime after specified full chemical cure time frame. Mild alkaline cleaning products suitable for hygienic wall surfaces are recommended. Isolated localised cleaning can be carried out using **R.S. Fats, Oils & Grease Remover** and **R.S. Oil Remover**. All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.

Do not splash, clean, wash or treat the resin flooring with water or any other chemicals until full cure achieved, as it may affect the surface quality and performance.

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

Health and Safety

Resutile Wall 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/protectiveEMEA
Registered in England : Reg. No. 893081
Reg. Office Tower Works, Kestor Street, Bolton BL2 2AL England