



## HIGH PERFORMANCE CHEMICAL RESISTANT URETHANE TOPCOATS

Sherwin-Williams **Resutile HPS, HTS** and **SDS** aliphatic urethanes lead the industry in high performance flooring topcoat protection.

### BENEFITS



#### Versatile

Resutile can be applied over a wide range of basecoats, and the clear base can be tinted to create coloured floors, safety markings or aesthetic designs. Resutile HPS can also be applied on walls



#### Sustainable

Coating is ultra-high solids and LEED® v4.1 certified for Indoor Environmental Quality - Low-Emitting Materials, Paints and Coatings, enabling projects to earn Green Building credits.



#### Impressive Durability

Excellent abrasion resistance and wear properties proven by ASTM laboratory testing and decades of use in heavy-duty environments.



#### Outstanding Chemical Resistance

Upon reaching full cure the multi component formula provides excellent resistance to many industrial chemicals including vehicle and aviation fluids.



#### ESD protection

Resutile SDS provides the same high chemical resistance whilst having the added benefit of ESD protection to protect people and sensitive machinery/products.

### HIGHLIGHTS

Industry-leading performance

Aliphatic, non-yellowing and colour-stable

Customisable slip-resistance

Extends the life of flooring systems

High gloss and satin finishes with a range of colours or clear

## CHEMICAL RESISTANCE (RESUTILE HPS)

Chemical	1 days exposure	7 days exposure
Hydrochloric Acid	E	E
Hydrochloric Acid 30% (Murlatic)	E	E
Nitric Acid 10%	G	P
Phosphoric Acid 50%	G	G
Sulfuric Acid 37% (Battery Acid)	E	G
Acetic Acid 10%	E	E
Citric Acid 10%	E	E
Oleic Acid	E	E
Ammonia Hydroxide 10%	E	E
Sodium Hydroxide 50%	E	E
Ethylene Glycol (Antifreeze)	E	E
Isopropyl Alcohol	G	G
Methanol	G	F
D-Limonene	E	E
JP-4 Jet Fuel	E	E
Gasoline	E	E
Mineral Spirits	E	E
Xylene	E	E
Methylene Chloride	P	P
MEK	F	F
PMA	E	G
Ammonium Nitrate 20%	E	E
Brake Fluid	E	E
Bleach	E	E
Motor Oil (SAE 30)	E	E
Skydrol® 500B	E	E
Skydrol® LD4	E	E
Sodium Chloride 20%	E	E
10% Trisodium Phosphate	E	E
Purdue Betadine Solution	G*	G*

For full details of chemical resistance please refer to Resutile chemical resistance chart.

ASTM D1308 Test Method 3.1.1 spot test, covered. Results are based on one-day, seven-day, and two weeks. Coating cured 2 weeks prior to testing.

E = Excellent (No Adverse Effect) – Recommended

G = Good (Limited Adverse Effect) – Use for short-term exposure only

F = Fair (Moderate Adverse Effect) – Not recommended

P = Poor (Unsatisfactory) – Little or no resistance to chemical

\*only adverse effect was staining

**Note:** Reduced chemical resistance and staining is possible in pigmented version of the system.

## 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.

## FEATURED COLOURS



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. Contact your Sherwin-Williams representative for details.

## PRODUCT CHARACTERISTICS

Colour	Clear, or Colour
Mix ratio	Resutile HPS 1:1 by unit; Resutile HTS 1:1:1 by unit; Resutile SDS 1:1:2 by unit
Volume solids	Resutile HPS -90.0%; Resutile HTS -91.1%; Resutile SDS -91.0%
VOC	10 g/L
Consumption	Resutile HPS & Resutile SDS 0.1kg/m <sup>2</sup> ; Resutile HTS 0.12kg/m <sup>2</sup>

## PERFORMANCE CHARACTERISTICS

Abrasion resistance	ASTM D4060, CS-17 wheel, 1000gm load 1000 cycles	Resutile HPS 14.9 mg loss Resutile HTS 11.7 mg loss Resutile SDS 38 mg loss
FeRFA category		2
Bond strength	BS EN 13892-8:2002	>3 N/mm <sup>2</sup> (Substrate failure)
Impact resistance	BS EN 1504-2:2004	Class II
Reaction to Fire	BS EN 13501-1:2018	B <sub>n</sub> – s1
Resistance to ground (Resutile SDS)	BS EN 1504-2:2004	R <sub>g</sub> < 1 x 10 <sup>9</sup> Ω & absolute value of body voltage < 100 V

FIND YOUR LOCAL CONTACT

