SHERWIN WILLIAMS. | HIGH PERFORMANCE FLOORING

Revised: December 9, 2022

RESUTILE™ 4638 HS POLYURETHANE FLOOR ENAMEL

CLEAR	GP4638A01	Part A
WHITE TINT BASE	GP4638W01	Part A
ULTRADEEP TINT BASE	GP4638T04	Part A
Standard Hardener	GP4638B01	Part B

PRODUCT INFORMATION

PRODUCT DESCRIPTION	Pro	ОИСТ СНА Р	RACTERIS	STICS	
RESUTILE 4638 HS Polyurethane Enamel is a tough, high-gloss, durable finish used as a stand-alone coating system or an optional topcoat over other Sherwin-Williams high-build flooring systems. Resutile 4638 is formulated to meet the tight VOC restrictions imposed by many states. It resists UV degradation, certain aggressive chemicals and possesses superior gloss retention.	Color: Mix Ratio: Volume Solids: Weight Solids: VOC (EPA Method 2	Tintable GP4638 See pag 2:1 71% ± 2 90% ± 2	nd a wide ran, e: GP4638W0 8T04 (ultradee ge 2 for additi 2%, mixed 2%, mixed L; 2.1 lb/gal, r	۲ (white tir ep tint bas onal tint de	nt base) and e) ONLY
Advantages	Viscosity, mixed:	1,500 c	-	IIIXCu	
 Outstanding resistance to a wide range of chemical, weather and mechanical conditions Excellent wear High gloss retention 		<u>mended Sprea</u> Mi			i mum (112)
UV (Ultraviolet) light stable	~Coverage sq ft/gal ((9.0)	533	(13.5)
 Abrasion and impact resistant Suitable for use in USDA inspected facilities 	Drying Sch	edule @ 4 m	-		wet:
Auto service centers, airport hangarsSkydrol resistant	To touch: To recoat:		@ 73°F (23° 2 hours 6-24 hours		
TYPICAL USES	Light foot traffic: Heavy traffic:		12 hours 72 hours		
RESUTILE 4638 HS Polyurethane Enamel is designed as a finish coat on flooring systems used in warehouses, commerical facilities, aircraft hangars, automobile dealerships and pharmaceutical facilities.	If maximum recoat ti Drying time is temp Pot Life:	,		ickness de	0
 LIMITATIONS Urethanes are sensitive to environmental conditions Slab on grade requires vapor/moisture barrier Substrate must be structurally sound and free of bond inhibiting contaminants 	Shelf Life:	Part A: 36 m Part B: 24 m Store indoors	onths, unope onths, unope	ned ned	(32°C)
	Flash Point: Reducer*:	102°F (39°C VOC Restric), ASTM D 93	3, mixed	
 During installation and initial cure cycle, substrate and ambient air temperature must be at a minimum of 60°F (16°C) and 90°F (32°C) maximum Substrate temperature must be at least 5°E (20C) above 		not recomme	ènded	0 /	
 maximum. Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact your Sherwin-Williams representative). When required, adequate ventilation shall be provided and proper 	Clean Up: *Other areas (<340 g, Choose a reducer that and local air quality rul	is compliant in you	0 or R7K225 u	p to 5% by	
clothing and respirators wornDo not premix Part B hardener	Perfor	RMANCE CH	IARACTE	RISTIC	S
Humidity must not exceed 80%Do not install in open areas during rain	Test Name	Test Method	Results		
 Strictly adhere to published coverage rates This coating though resistant, is not a guarantee against tire 	Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles	63 mg loss	\$	
staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a stain under	Adhesion	ACI503R	350 psi co		ure
certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.	Coefficent of Friction	ASTM F 1679	0.5 min dr 0.6 dry wit	h Shark G	rip Additive
0	Flammability		Self-exting over concr		
SURFACE PREPARATION Proper inspection and preparation of the substrate to receive	Gloss @ 73°F/23°C, 50%RH	60º Gloss Meter	85 millage	units	
resinous material is critical. Read and follow the "Instructions for Concrete Surface Preparation" (Form G-1) for complete details.	Impact Resistance	ASTM D2794	Direct inch greater tha Reverse, i than 100,	an 100, pa nch-pound	sses I greater
	Pencil Hardness	ASTM D 3363	2H		
			AL P	a (

Resistance to Elevated Temperature

MIL-D-3134J

continued on back

No slip or flow at required temperature of 158°F (70°C)

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Part A	GP4638W01	White Tint Base
Part A	GP4638T04	ULTRADEEP TINT BASE
PART B	GP4638B01	Standard Hardener
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PRODUCT INFORMATION

	APPLICATION	TINTING		
APPLICATION IN	STRUCTIONS:	Can be tinted with HPF Universal colorants. For Universal colorants, use one pint per 1-gallon mix of GP4638A01 (Clear) for most colors.		
	ed Primers (for concrete): 504 and Resuprime 3579	White, Bright Yellow, Light Gray, Sandy Beige and Rotunda Red will not impart total hide. Similar colorants also may not hide as well		
	ed Primers (for tile): 531 with Resuprime 3504	CLEANUP Clean spills and spatters immediately with Reducer R6K30 or		
	resin) using a low speed drill and Jiffy blade. Mix until uniform, exercising caution not to introduce al.	R7K225. Clean tools immediately after use with Reducer R6K30 or R7K225. Follow manufacturer's safety recommendations when using any solvent.		
	BA (resin) to 1 part 4638B (hardener) by volume. I drill and Jiffy blade for three minutes and until	SAFETY		
uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.		Refer to the SDS sheet before use.		
3. Apply 4638 usin	g a 1/4" nap roller at a spread rate of 355-533	Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.		
square feet per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and insure even coverage.		MAINTENANCE		
Ū	hours minimum before opening to light foot	Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact your Sherwin-Williams representative.		
Reduction: VOC Restricted A	reas (<250 g/L): Reduction not recommended	For all guidelines on concrete surface preparation, please reach out to your high performance flooring tech service rep or sales representative. Refer to Form G-1.		
by volume. Choos	g/L): Reducer R6K30 or R7K225 up to 5% e a reducer that is compliant in your area. e with state and local air quality rules before use.			
Excessive reduction and possibly caus	on of material can affect film build, appearance e color float.			
Or	RDERING INFORMATION			
Packaging:		Disclaimer		
Part A:	1 gallon (3.8L) and 5 gallon (18.9L) containers	The information and recommendations set forth in this Product Data Sheet are		
Part B:	1 gallon (3.8L) containers 5 gallons (18.9L) containers	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 offered at the time of publication. Consult your Sherwin- Williams representative to obtain the most recent Product Data Information and		
Weight:	10.0 ± 0.2 lb/gal; 1.20 Kg/L mixed, may vary by color	Application Bulletin.		
		The Sherwin-Williams Company warrants our products to be free of manufactur-		
For comprehensiv	HEMICAL RESISTANCE e chemical resistance information, consult the nt Guide and contact your Sherwin-Williams	ing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defec- tive product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MER- CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.		