



Eco-HPS® 100 | 100 g/L GLOSS URETHANE TOPCOAT

Delivering high-performance results for high-image areas

- **HIGH CHEMICAL RESISTANCE** – Proprietary two-component formula withstands harsh industrial traffic, Skydrol® jet fuels, and other chemicals
- **SAFER WORK ENVIRONMENT** – High-gloss finish increases brightness and light reflectivity
- **COST EFFECTIVE** – 100% aliphatic formula will not yellow from UV rays and also reduces lighting needs and cleaning costs
- **VOC COMPLIANT** – Eco-HPS 100 meets all current VOC regulations in North America for industrial maintenance coatings

Part of the **Eco-Advantage®** Family:

Low Odor No noxious fumes; will not contaminate odor-sensitive inventory.

Environmentally Friendly Reduced solvent means less evaporation and less waste.

User Friendly Can be applied during normal business hours—no shutdown required.

VOC Compliant Meets the Environmental Protection Agency VOC regulations.

TENNANT COATINGS

For First Impressions That Last™



Eco-HPS 100 Snapshot

APPEARANCE:	High-gloss finish with smooth texture
COLOR:	Clear, plus standard and custom colors
TRACTION:	Increase slip resistance with Tennant's grit additives
VOC COMPLIANCE:	Very low VOC; 99 g/L
ABRASION RESISTANCE:	Superior
CHEMICAL RESISTANCE:	Superior
UV STABILITY:	100% aliphatic formula; non-yellowing*
APPLICATIONS:	High-traffic areas in showrooms, hangars, and other high-image areas
INSTALLATION:	Customer or contractor applied

*Over the normal life of the coating.

100 g/L Colors – 100 g/L areas require 100 g/L colorants; please contact Tennant for current available selection. All non 100 g/L areas see standard colorants.

Standard Colors – These colors are close approximations; please contact Tennant for product samples. Custom colors are also available.



Chemical Resistance Properties

		1 day	7 day
Acids, Inorganic	10% Hydrochloric Acid	E	E
	30% Hydrochloric Acid (Muriatic)	E	E
	10% Nitric Acid	G	P
	50% Phosphoric Acid	G	G
	37% Sulfuric Acid (Battery Acid)	E	G
Acids, Organic	10% Acetic Acid	E	E
	10% Citric Acid	E	E
	Oleic Acid	E	E
Alkalies	10% Ammonium Hydroxide	E	E
	50% Sodium Hydroxide	E	E
Solvents (Alcohols)	Ethylene Glycol (Antifreeze)	E	E
	Isopropyl Alcohol	G	G
	Methanol	G	F
Solvents (Aliphatic)	d-Limonene	E	E
	Jet Fuel (JP-4)	E	E
	Gasoline	E	E
	Mineral Spirits	E	E
Solvents (Aromatic)	Xylene	E	E
Solvents (Chlorinated)	Methylene Chloride	P	P
Solvents (Ketones & Esters)	Methyl Ethyl Ketone (MEK)	F	F
	Propylene Glycol Methyl Ether Acetate (PMA)	E	G
Miscellaneous Chemicals	20% Ammonium Nitrate	E	E
	Brake Fluid	E	E
	Bleach	E	E
	Motor Oil (SAE30)	E	E
	Skydrol® 500B	E	E
	Skydrol® LD4	E	E
	20% Sodium Chloride	E	E
	1% Tide® Laundry Soap	E	E
	10% Trisodium Phosphate	E	E

Based on 1-day and 7-day spot testing on concrete. Coating cured 2 weeks prior to testing. Skydrol® is a registered trademark of Solutia, Inc. Tide® is a registered trademark of Procter and Gamble.

E = Excellent (No Adverse Effect) F = Fair (Moderate Adverse Effect)
G = Good (Limited Adverse Effect or Staining) P = Poor (Unsatisfactory)

Physical/Performance Properties

MATERIAL PROPERTIES (LIQUID)

Property	Test Method	Results
Flash Point, °F (°C)	ASTM D3278	Part A: >200 (93) Part B: >200 (93)
Percent Solids, by weight	ASTM D2369	Part A: 99.35 Part B: 59.23 A+B = 91.3
Density, lb/gal (kg/L)	ASTM D1475 (A/B)	Part A: 9.56 (1.15) Part B: 9.54 (1.15) A+B = 9.55 (1.15)
Shelf Life		2 years from date of manufacture
Viscosity, cps Brookfield	ASTM D2196	A+B = 400-500
Volatile Organic Compound (VOC) lb/gal (g/L)	ASTM D3960	Mixed A+B: 0.83 (99)

CURED COATING PROPERTIES (DRY FILM)

Property	Test Method	Results
Abrasion Resistance, mg loss Taber Abraser	ASTM D4060*	18.8
Coefficient of Friction (COF)** James Friction Tester	ASTM D2047	0.61
Dry Film Thickness, mils		2.9 (1 coat)
Tensile Strength, psi (kPa)	ASTM C2370	6,250 (43,088)
Percent Elongation	ASTM D2370	6
König Hardness (3 mil film)		171.3

APPLICATION CHARACTERISTICS

Property	Results
Coverage Rate, ft ² /gal	500
Application Thickness, wet mils	3.2 (1 coat)

*CS-17 Taber Abrasion Wheel, 1,000 gram load, 1,000 revolutions.

**To improve traction in slip hazard areas, use Tennant 291 Grit. See 291 Grit Product Bulletin for more information.

Results are based on conditions at 77°F, 50% relative humidity.



Tennant
701 North Lilac Drive
Minneapolis, MN 55422 USA

tel: +1-763-540-1315
fax: +1-763-513-2144

www.tennantco.com
email: info@tennantco.com



Cent no: SW-COC-001855
www.fsc.org
© 1996 Forest Stewardship Council

A floor-care system of high-performing Tennant coatings, sweepers, and scrubbers will maximize your floor's natural life, minimize your maintenance costs and create a world-class impression.

1250-72 Eco-HPS 100 9/08
©2008 The Tennant Company logo and other marks designated with the symbol "♦" are registered trademarks of Tennant Company, Inc., in the United States and/or other countries. The marks designated with "TM" are trademarks of Tennant Company that are not yet registered in the United States.