

VTX 300 | POLYASPARTIC TOPCOAT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

VTX 300 is a two-component, high-gloss polyaspartic topcoat with excellent UV stability. Summer and Extreme Heat formulations provide application flexibility across a range of temperatures.

TYPICAL USES/APPLICATIONS

- Topcoat for full-broadcast floors.

PRODUCT ADVANTAGES

- Rapid cure
- Fast return to service
- Simple mix ratio
- Easy roller application

PACKAGING

10-Gallon kit
Part A - 5-Gallon Pail
Part B - 5-Gallon Pail

COLOR

Clear

STORAGE

- Product should be stored indoors between 60-85°F, away from direct sunlight and moisture.
- Make sure containers are completely sealed to prevent moisture contamination and ensure best performance.
- Shelf life is 12 months.

RECOMMENDED APPLICATION TEMPERATURE

VTX 300 Extreme Heat: 80-100°F
VTX 300 Summer: 60-80°F

COVERAGE

Over Broadcast Media:
107-160 sq. ft./gal. (10-15 mils)

Over Smooth Surface:
200-230 sq. ft./gal. (7-8 mils)

TEST DATA

VOC (FULL KIT):

Extreme Heat: 164 g/L
Summer: 164 g/L

WEIGHT PER GALLON (ASTM D1475):

Extreme Heat Part A: 8.75 lb/gal
Summer Part A: 8.75 lb/gal
Part B: 9.54 lb/gal

VISCOSITY (ASTM D7867):

Extreme Heat Part A: 1,120 cP
Summer Part A: 1,075 cP
Part B: 168 cP

TACK-FREE TIME (ASTM D5895):

6 mils, 50% RH
Extreme Heat: 5 hr
Summer: 2.9 hr

KÖNIG HARDNESS 30° (ASTM D4366):

Full Hardness: 140 s

TABER ABRASION (ASTM D4060):

CS-17 wheels, 1,000 g load
Loss per 1,000 cycles: 50 mg

GLOSS (ASTM D523):

60°: 90 units

FLAMMABILITY (ASTM D635):

12 mils: 182.3 mm/min

TENSILE STRENGTH/ELONGATION (ASTM D638):

Tensile Strength: 3,099 psi
Elongation: 21.7%

WATER VAPOR TRANSMISSION (ASTM D1653):

8.7 mils average: 1.62 US perms

ALL TEST DATA COLLECTED AT 70°F
UNLESS NOTED OTHERWISE.

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SURFACE PREPARATION

VTX 300 is intended for use as a topcoat over previously primed or coated surfaces. It is not intended for direct-to-concrete applications.

Surface must be free of dirt, grease, oil, and other contaminants. Contaminants could lead to surface defects such as craters and crawling in the coating. Make sure surface is properly prepared before application.

Ensure the floor temperature is at least 5°F above the local dew point to prevent condensation.

VTX 300 can be re-coated after it cures tack-free and is hard enough to walk on. If re-coating after 24 hours, the surface needs to be abraded to ensure adequate adhesion of the next coating layer.

PRE-MIX REQUIREMENTS

Part A: Invert container 3 times prior to each use to ensure uniformity.

Part B: Not required.

MIX RATIO:

1:1 by volume (A:B)

MIX INSTRUCTIONS:

Carefully measure 1 part A and 1 part B by volume and blend together for 2 minutes with a drill mixer. Proceed to application immediately after mixing. Never mix more material than can be installed within 15 minutes.

APPLICATION

1. Using the appropriate coverage rate, mix only the amount of material that can be installed within 15 minutes.
2. Spread material evenly with a squeegee and back roll with a roller pre-wetted with mixed VTX 300. Use a chip brush to apply around the edges of the floor. A shed-resistant 18-inch roller with a 3/8-inch nap and a 3- to 4-inch chip brush are recommended.
3. Work time of the coating is reduced under high temperature and/or humid conditions.
4. For detailed application instructions, refer to Penntek Training Manual or contact the technical support line.

PRODUCT AND APPLICATION SUPPORT

Contact the Penntek technical support line at (952) 491-0616 (call/text) for further information.

CHEMICAL RESISTANCE | 24-HOUR SPOT TESTING

CHEMICAL	24 Hr Rating	30 Min Rating
Acetic Acid 30%	1	2
Acetic Acid 5%	2	5
Acetone	1	1
Ammonia 10%	5	
Battery Acid (Sulfuric Acid 37-40%)	4	5
Betadine Solution	4*	5
Brake Fluid	1	5
Citric Acid 20%	5	
Cleaner (Formula 409®)	5	
Cleaner (Pine-Sol®)	4	
Cleaner 3% (Pine-Sol®)	5	
Coffee	5	
Cola	5	
Dish Soap (Dawn®)	4	
Dish Soap 1% (Dawn®)	5	
Ethylene Glycol/ Antifreeze	5	
Gasoline	2	3
Glass Cleaner (Windex®)	4	
Glycerin	5	
Hand Sanitizer (Ethanol Based)	1	4
Household Bleach	4	5
Hydrochloric Acid 20%	2	5
Hydrochloric Acid 5%	5	
Ice Melt 20%	5	
Isopropyl Alcohol 99%	1	4
Ketchup	5	
Mineral Spirits	5	
Motor Oil (Conventional)	5	
Motor Oil (Synthetic)	5	
Mustard	4*	5
Phosphoric Acid 50%	4	5
Phosphoric Acid 10%	5	
Sodium Hydroxide 50%	5	
Skydrol LD-4®	2	5
Sugar Solution 20%	5	
Water	5	
Windshield Washer Fluid	4	
Xylene	1	5

KEY:

1 = Moderate/severe damage, does not recover
2 = Mild damage, does not recover
3 = Light damage, partially recovers

4 = Light damage, fully recovers
5 = No damage
 * = Staining