

INDEPENDENT TEST REPORTS SUMMARY

Test Method	Characteristics	Results	
ASTM D-523	Gloss Testing-1500 hours	Initial Gloss	103 units (60°)
		Final Gloss	103 units (60°)
ASTM D-1209	APHA Color	Initial	<5
		Final	<50
ASTM D-1308	Chemical Resistance 30 day immersion	See Technical Note TN168, available at vexcon.com	
ASTM D-1653	Breathability permeability	3.30 perms (English units) 2.17 metric perms	
ASTM D-2243	Freeze Thaw Resistance (100 freeze/ thaw cycles)	Cracking	None
		Adhesion Loss (intercoat)	None
		Adhesion Loss (to substrate)	None
ASTM D-4060	Abrasion Resistance (Taber Abrasser)	CS-17 wheel/1000g/1000revs/ 0.22g or 0.8% loss per 100 revs. Wear Cycles per mil – 885 cycles 1.13 mils/1000 revs	
ASTM G-53 – G-154	Accelerated Weathering (200 hrs)	No blistering: 10	
		No chalking: 10	
Note: ASTM Standard Scoring System: 10= No Effect or Perfect Performance			

COVERAGE RATES/ESTIMATING

Apply at 150-250 sq. ft. /gal (2.5-3.8 m²/L) depending on desired film thickness. Calculated final dry film thickness is based on two coats.

• PowerCoat Primer WB

Note: After application surface must have an even sheen.

	First Coat	Second Coat	Final Coverage Dry Film Thickness
Porous	200 sq.ft/gal 8 mils WFT	300 sq.ft/gal 5.3 mils WFT	125 sq.ft/gal 3.2 mils / 81µm DFT
Hard, Non-porous	300 sq.ft/gal 5.3 mils WFT	400 sq.ft/gal 4 mils WFT	175 sq.ft/gal 2.3 mils / 58µm DFT

• PowerCoat UV+ HD WB

	First Coat	Second Coat	Final Coverage Dry Film Thickness
Porous	300 sq.ft/gal 5.3 mils WFT	300 sq.ft/gal 5.3 mils WFT	150 sq.ft/gal 7.4 mils 188µm DFT
Hard, Non-porous	400 sq.ft/gal 4 mils WFT	400 sq.ft/gal 4 mils WFT	200 sq.ft/gal 5.6 mils / 142 µm DFT
Hard, Non-porous	500 sq.ft/gal 3.2 mils WFT	500 sq.ft/gal 3.2 mils WFT	250 sq.ft/gal 4.4 mils / 113 µm

MAINTENANCE

Spills should be removed promptly and cleaned. Sealed areas should be cleaned regularly, use **StarSeal EF Degreaser & Cleaner** for all cleaning requirements.

HEALTH AND SAFETY

Vexcon SDS CP147 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product, it is advisable to obtain a copy of the SDS CP147 from your distributor or visit vexcon.com.

SPECIAL NOTES

- **Warning:** Do not re-use Part B once opened. Properly sealed, Part A can be reused. See Technical Note TN-225.
- No induction required; use immediately after proper mixing.
- PowerCoat UV+ HD WB has splash and immersion resistance to many chemicals and can be used in areas where splashed materials will be removed in reasonable times, usually 4-24 hours. Do not use in constant immersion applications without contacting Vexcon Chemicals.
- A second coat can be applied after 6 hours and within 48 hours without abrading the surface.
- Do not apply more than one coat without proper surface preparation including surface abrasion after full cure.
- For use by experienced contractors.
- Follow manufacturer's written dry time instructions.
- Do not apply coating when surface temperatures are below 50°F/10°C.
- Do not apply coating when surface temperatures are above 85°F/29°C.
- Do not apply coating on windy days.
- Mechanically mix well before use (jiffy- or squirrel-type mixer). Shaking is not sufficient.
- Avoid coating when adverse weather conditions are expected within 12 to 24 hours of application.
- Do not apply to frozen, frosted, or snowy surfaces.
- Keep material from freezing
- Shelf Life: If properly stored in its original sealed container, one year. Rotate your stock
- Do not use materials beyond manufacturer's shelf life.
- Storage/ Handling: Store in tightly sealed original factory container. Keep from freezing and exposure to moisture. Store at room temperature prior to use. Care should be taken to keep dirt, water and contaminants away from the opening of containers.
- Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.

PACKAGING

Mixing Ratios	Part A	Part B	Totals
Clear - Pounds	29.29	3.25	32.54
Clear - % by Wt	90%	10%	100.00%
Clear by Gallons	3.64	0.36	4.00
Matte - Pounds	30.74	3.42	34.16
Matte - % by Wt	90%	10%	100.00%
Matte by Gallons	3.60	0.40	4.00
Color - Pounds	34.37	3.82	38.19
Color - % by Wt	90%	10%	100.00%
Color by Gallons	3.58	0.42	4.00

YIELD: 4 gallons of finished coatings. When using other containers to measure smaller volumes, the above ratios must be used.

CONTACT US@

Additional product information, technical assistance, and customer services are available by contacting Vexcon Chemicals directly, or our distributors.

- vexcon.com
- techservice@vexcon.com
- customerservice@vexcon.com
- sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997

WARRANTY

LIMITED WARRANTY: Vexcon warrants for a period of one (1) year from the date of manufacture that the goods supplied hereunder shall be of its standard quality and free of defects, and conforms to (a) Vexcon's published specifications in force on the date of acceptance by Vexcon of the order and (b) the sample which has been made available for testing by buyer prior to sale. Any claim under this warranty must be made in writing to Vexcon Chemicals within sixty (60) days after such non-conformity is first discovered. As the EXCLUSIVE REMEDY for any breach of this Limited Warranty, Vexcon at its option shall replace nonconforming goods or refund the purchase price. Since methods of use and application are beyond Vexcon's control, this Limited Warranty IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY IS ALSO IN LIEU OF ANY OTHER POSSIBLE LIABILITIES OF VEXCON, WHETHER ALLEGED TO ARISE BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, APPLICATION, USE OR FUNCTION OF VEXCON'S PRODUCTS, INCLUDING BUT NOT LIMITED TO CLAIMS OF NEGLIGENCE, GROSS NEGLIGENCE, MISUSE, STORAGE DAMAGE, MISAPPLICATION, ACCIDENT, STRICT LIABILITY OR ANY OTHER TORT. No person is authorized by Vexcon to assume for it any other liability of any kind in connection with the sale or use of products manufactured and sold by it, and there are no oral agreements or warranties collateral to or affecting any sale or use. All of the foregoing arises under the substantive law of Pennsylvania without regard to principles of conflicts of laws.

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