



Performance Construction Chemicals

## POWERCOAT<sup>®</sup> EPOXY FLEXIBLE *“Don’t say Epoxy- say PowerCoat”<sup>®</sup>* JOINT SEALANT

**HIGH DURABILITY • CHEMICAL RESISTANT • 100% ACTIVE**

VOC Content: 254 gr./liter or 2.12 #/gal. – Industrial Maintenance Coating

### DESCRIPTION

**POWERCOAT EPOXY FLEXIBLE JOINT SEALANT** is ideal for all horizontal joints which are not designed for movement but will have excellent flexibility to resist cracking. The product provides a tough and durable coating with excellent adhesion and flexibility, as well as high impact and abrasion resistance. Powercoat is designed to eliminate the failure of adhesion associated with epoxy and polyurethane sealants due to moisture in concrete.

Powercoat Epoxy Flexible Joint Sealant provides a high-build, sealant barrier against physical abrasion, corrosion and commonly encountered acid and alkali chemicals. It also resists solvents such as gasoline, kerosene and some alcohol's. The system is ideal for use in commercial, food handling, industrial, or transportation services and other applications.

### BENEFITS

- Provides excellent adhesion, flexibility, durability, and resistance to impact, water and abrasion
- Cures with less than 1% shrinkage or loss in film thickness
- Powercoat Epoxy Flexible Joint Sealant is available in French Gray or Concrete Gray
- Available in Vertical, (Gun) Grade.

### SPECIFICATIONS/COMPLIANCE

- Meets USEPA AIM and OTC VOC regulations
- USDA requirements for coatings for use in federally inspected meat and poultry plants.
- Class A Fire rating

### APPLICATION

- The sealant is supplied in two parts, A and B, which are mixed together just prior to use.
- Separately mix the individual contents, with Jiffy Mixer, of each until uniform in consistency. When this is done, mix part B into part A.
- After thorough mechanical mixing, allow the mixed product to stand undisturbed for a 10-minute induction period before applying.
- Apply with caulking (for Vertical Grade gun ) or putty knife (Horizontal Grade). Apply slightly higher than joint if desired. Excess can be shaved with a knife up to 12 hrs. after application to yield a flush surface.
- The mixed material has a pot life of 2 hrs.
- Clean application equipment daily with **Certi-Vex<sup>®</sup> Equipment Cleaner**.

- A. **JOINT PREPERATION:** Thoroughly clean dirt and laitance from joint, using one of Vexcon's surface preparation products. Wire brushing and vacuuming is recommended.
- B. Powercoat Epoxy Flexible Joint Sealant can be used on fresh concrete.
- C. If backer rod used, Powercoat Joint Sealant must be a minimum of 1" thick.

### SPECIAL NOTES

- Powercoat Epoxy Flexible Joint Sealant 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. For immersion test information, please see other side. Do not use in constant immersion applications without consulting with Vexcon Chemicals if chemical is not on list.
- Do not apply below 40° F (5° C).
- Do not apply more than one coat without proper surface preparation including surface abrasion after 7 day full cure.
- A second coat can be applied after 6 hours and within 48 hours without abrading the surface.
- Recommended for all joints that are not designed for movement.
- Same lot numbers should be used throughout the project. If lot numbers differ box-mix prior to use.
- If properly stored in its original sealed container, one year. Rotate your stock.
- For use by experienced applicators.

## COVERAGE RATES

Apply Powercoat Epoxy Flexible Joint Sealant in accordance with sealant estimating chart.

## DURABILITY & WEARABILITY TESTING

Independent lab testing has confirmed that Vexcon's Powercoat System provides outstanding physical strength characteristics. The system's hardness and durability far exceeds the standard levels for the product mil levels.

Hardness, Shore A ASTM D2210	85
Hardness, Shore D ASTM D2210	45
Adhesion ASTM D4541	275 psi
Water absorption % 72 hrs. ASTM D570:	0.80%
Jet fuel immersion%:	0.0 %
Flexibility 1/8" Mandrel ASTM D522 Method B:	
Cracking or loss of bond	None
Falling sand abrasion 25 L/mil min.:	>30 L/mil
Elongation ASTM D638	45%
Tensile Strength ASTM D638	292 psi

Data per DL Labs Tests Reports, DL-11875A, 11371, 11887. Reports available upon request.

## SEALANT ESTIMATING DATA

### LINEAR FT/GAL (LINEAR METER/GAL.)

	DEPTH	1"	1.5"	2"	2.5"
WIDTH	1/8"	159 (13)	106 (8.66)	79.5 (6.5)	63.6 (5.2)
WIDTH	1/4"	79.58 (6.40)	53 (4.3)	39.5 (3.2)	31.6 (2)
WIDTH	3/8"	53.06 (4.3)	35 (2.86)	26.5 (2.15)	21.2 (1.72)
WIDTH	1/2"	37.9 (3.0)	33 (2.6)	25 (2)	20 (1.6)
WIDTH	5/8"	31.46 (2.5)	21 (1.66)	16 (1.25)	13 (1.0)
WIDTH	3/4"	24.64 (2.0)	17 (1.33)	12.5 (1.0)	10 (.8)
WIDTH	1"	19.71 (1.6)	13 (1.06)	10 (.8)	8 (.64)

## IMMERSION

Powercoat Epoxy Flexible Joint Sealant can be immersed in the following chemicals. Care must be taken that coverage rates are as listed above and that there are no pinholes or voids in the sealant.

### CHEMICAL 30 DAYS RATING

10% Caustic (NaOH)	No Effect
25% Sodium Chloride	No Effect
Anti Freeze, Ethylene Glycol	No effect
15% Muriatic Acid	No Effect
Water	No Effect
Calc2	No Effect
Jet Fuel	No Effect

For other chemical resistance, contact Vexcon Chemicals.

## PACKAGING

	<u>4 GAL. UNIT</u>	<u>1 GAL. UNITS</u>	
	<u>Volume</u>	<u>Volume</u>	<u>Wt.%</u>
<b>PART A:</b>	3.0 gal.	.75 gal.	77%
<b>PART B:</b>	1.0 gal.	.25 gal.	23%

When using other containers to measure smaller volumes, the above ratios should be used.

## PHYSICAL PROPERTIES

- Color French Gray and Concrete Gray
- Dry-Tack Free Less than 6 hours
- Curing Time Overnight; full curing one week
- Reactivity 100%
- Shrinkage Less than 1%

Note: Dry time and curing time depends on air temperature and film thickness. All calculations based upon 68-77 ° F (20-25°C). Low temperatures and relative humidity will extend dry time. Store PowerCoat® Flexible Joint Sealant @ 60-80°F prior to use.

## HEALTH & SAFETY

Vexcon MSDS #CP104 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 MSDS from your distributor or by contacting Vexcon Chemicals.

## CONTACT US @

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

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