



PC-5 NEOPRENE COATING

DESCRIPTION: PC-5 is a durable coating based on neoprene a highly versatile synthetic rubber. It has excellent overall chemical and oil resistance. The coating is heat resistant (212°F continuous) and will not propagate flame. PC-5 remains flexible at low temperatures and is abrasion and puncture resistant. It resists failure from thermal shock or vibration.

USES:

- As a general purpose sealer for waterproofing applications.
- Chemical resistant maintenance coating.
- Waterproofing – bridge abutments, foundations, decks

PHYSICAL PROPERTIES (unopened container)

Total Solids (weight).....	40.0%
Total Solids (volume).....	27.8%
Lbs./Gal.	8.7

COVERAGE:

1 gallon/100 square feet.....approximately 4 mil dry film thickness

PHYSICAL PROPERTIES (cured membrane)

Tensile	2000 psi	(min.)
Elongation at 75 F ^o	400%	(min.)
Permanent set at break	35%	(max.)
Water Absorption.....	2% wt.	(max.)
Moisture vapor transmission.....	1 perm	(max.)
Erosion Rate per year(45 ^o So.FL).....	0.50 mils	(max.)
Adhesion(min).....	20 lbs./lin.in	
Ozone resistance - at 50 pphm ozone in air 24 hours at 100 ^o F (sample at 20% elongation) no cracks at 10X magnification.		

AVAILABILITY: Available in 1-gallon, 5-gallon, and 55-gallon containers.

COLORS: Gray and Black are standard.

APPLICATION

PREPARATION: All surfaces to be coated must be dry and free of dirt, dust, oil, etc. Metal surfaces should be sandblasted if possible or at a minimum wire brushed. Concrete surfaces should be etched with a 10% muriatic solution (follow manufacturers recommendations) Rubber surfaces should be wiped with solvent and wire brushed to roughen.

PRIMING: In most cases PC-5 can be applied without priming. If necessary use 2 component epoxy primer on metal. For priming wood or concrete thin 1st coat of PC-5 1:1 with Xylol.

APPLICATION: Brush or Roller. Use short even strokes in application and brush from dry to wet areas. Avoid “scrubbing” action – a minimum of brushing will give best results.

THINNING: Thin with Xylol if necessary. If thinned additional coats may be required to achieve suggested dry film thickness.

COVERAGE: PC-5 neoprene coatings must be applied in a minimum of two coats. Applied thickness per coat depends on method of application. Specification should require a predetermined amount of material for a unit area. (4 mils requires 1 gal per 100 ft, 10 mils requires 2 ½ gal per 100 ft)

Material requirements depend on type of application. Suggested thickness:

Chemical fume or spray	5 – 15 mils (1.25 to 4 gallons per 100 sq.ft.)
Waterproofing	10 – 20 mils (2.5 to 5 gallons per 100 sq.ft.)
Chemical immersion	15 – 30 mils (4 to 7.5 gallons per 100 sq.ft.)

DRYING TIME: Approximately 2 hours at 70⁰ F and 50% RH. Allow minimum of 2 hours between coats.

SAFETY NOTES: Attention is called to the fact that the solvent used in PC-5 is very flammable. Proper precautions against exposure to open flame must be taken. Strict safety rules must be enforced. Proper ventilation must be provided and the use of safety goggles is recommended. If ventilation is not adequate a respirator with an organic vapor cartridge should be used. Review MSDS before use.

STORAGE: PC-5 must be stored under proper conditions. Store in cool shaded areas. Do not store in direct sunlight. Do not store near fire or open flame. Under proper storage conditions shelf life is one year minimum.

LIMITATIONS: PC-5 will not withstand prolonged contact with aromatic, ester, chlorinated, ketone, or acetate solvents. It will give only limited service in strongly oxidizing environments.

WARRANTY: Acrymax Technologies Inc. warrants the material to be properly formulated and free from manufacturing defects. Because of the many variables not under our control, we cannot warrant performance on any specific job. The customer is urged to evaluate the product for his particular requirements.

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