POLY JOINT 82

PRODUCT TECHNICAL DATA SHEET

PPC POLY JOINT 82 is a two component, aromatic, 1:1 ratio, rapid setting, self-leveling, 100% solids polyurea caulking compound for interior and exterior horizontal applications. Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

WHERE TO USE

- Airports
- Bridge Headers
- Food Processing Plants
- Freezers and Cold Storage
- Grade Matching
- Industrial/Manufacturing Facilities
- Parking Garage Decks
- Saw/Utility Cuts
- Spalls
- Truck Aprons
- Warehouses
- Waste Water Treatment Plants

ADVANTAGES

- Down Time 30-90 Minutes
- Flexible
- Meets USDA Criteria
- Meets VOC Regulations
- Non Toxic
- Odorless
- Remains Flexible, Even In Cold Temperatures

THEORETICAL COVERAGE RATES

		Width of Join						
			3/8"	½"	5/8"	¾"	7/8"	1"
Depth of Join	¼"	308	205	154	123	102	88	77
	3/8"	205	136	102	82	68	58	51
	½"	154	102	77	61	51	44	38
	5/8"	123	82	61	49	41	35	30
	¾"	102	68	51	41	34	29	25
	7/8"	88	58	44	36	29	25	22
	1"	77	51	38	30	25	22	19

Linear feet / Gallon

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish his own factors for loss from experience

PACKAGING & COLORS

10-gallon kit: 5-gallon (18.9 liters) pail of Side-A and 5 gallon (18.9 liters) pail of Side-B

100-gallon kit: 55-gallon drum (net 50 gallons:189 liters) of Side-A and 55-gallon drum (net 50 gallons:189 liters) of Side-B

Color: Medium Gray

MIX RATIO

PPC POLY JOINT 82 may not be diluted under any circumstance.

Pre-mix **PPC POLY JOINT 82** Side-B material before combining with Side-A. Side-A material requires no mixing. Add Side-A to Side-B while mixing, using a mechanical mixer with a low-speed drill and "Jiffy"

Mixer blade. Mix until a homogeneous mixture and color is attained (at least 5 minutes).

Use care to scrape the sides of the container to ensure that no un-mixed material remains. Use caution not to whip too much air into the material as this may result in pinhole blisters or shortened pot life.

SHELF LIFE AND STORAGE

12 months from the date of manufacture in original unopened factory sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

PHYSICAL/CHEMICAL CHARACTERISTICS BASED ON DRAW DOWN FILMS

Tear Resistance Die C, ASTM D624	275 ± 50 pli (48.2 ±8.8 kN/m)
Specific Gravity	A-Side: 1.12±0.1 B-Side: 1.07±0.1
Viscosity at 75°F (24°C)	A-Side: 1100±200 cps B-Side: 1200±200 cps
Gel Time @75°F (24°C), ASTM D-2471	35±5 seconds
Hardness (Shore A), ASTM D2240	80±5
Tensile Strength, ASTM D412	1200±200 psi (10.34 ± 1.38 Mpa)
Ultimate Elongation, ASTM D412	300 ± 50%
Volatile Organic Compounds	< 0 lbs/gal
ASTM D2369-81	(<0gm/liter)

SURFACE PREPARATION

- Allow concrete to cure 28 days before installation.
- Saw cut the joints to ACI recommendations.
- All joints must be clean and dry prior to **PPC POLY JOINT 82**
- If joint is damp, dry with heat torch.
- Remove all dust from the concrete pores prior to installing **PPC POLY JOINT 82**.
- If backer rod is used in control joints, the recommended depth is no greater than 25% of the total depth of the slab.
- Construction joints are to be filled to full depth using no backer rod or silica sand.
- To repair T-joints, the joint should be cut a minimum of 25% of the total depth of the slab. The side of the T-joint must be cut 1 1/2" (3.81 cm) from the joint and a minimum of 1/2" (1.27 cm) deep.
- For random cracks, each side of the crack should be cut to create a minimum 1/2" (1.27 cm) deep vertical edge.
- Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

OVERVIEW OF INSTALLATION STEPS

Mandatory Mockup: A 100-200 sq/ft mockup should be installed as a guide for installation and quality control panel days or weeks before the actual installation of the coating system. The mockup should be approved by an authorized representative of the Property Management for Slip Resistance, aesthetics, and functionality.

APPLICATION BASICS

For best results machine dispense using a 1:1 ratio pump, with or without heater as required. This material can be applied at environmental temperatures from 32°F (0°C) to as high as 135°F (57°C) but the product needs to be conditioned at 75-80°F (24-26°C) prior to use.

This material may be used to fill the entire crack/joint. Excess/ overflow material from joints should be shaved off in about 60 to 90 minutes after application.

FINISHING

After applying **PPC POLY JOINT 82** wait 60-90 minutes, depending on temperature and humidity, before opening to traffic. Slice off any over pour flush to grade. The surface can be utilized to light traffic within 90 minutes of application.

CLEANUP

Cured product may be disposed of without restriction. Mix excess Side-A to Side-B material and allow to cure. Equipment should be cleaned immediately after use with an environmentally-safe solvent, as permitted under local regulations. Check local, state and federal laws before disposing of material.

LIMITATIONS

- Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.
- Discoloration will occur if exposed to UV, however no change will occur in the physical properties.
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WARNING: This product contains isocynates and curatives.

LIMITED WARRANTY

PPC warrants its products to be free of manufacturing defects and that they will meet PPC current published physical properties. PPC warrants that its products, when properly installed by a state licensed contractor according to PPC guide specifications and product data sheets over a sound, properly prepared substrate, will not fail for a period of 12 months. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PPC of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PPC shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PPC shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PPC reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PPC makes no claim that these tests or any other tests, accurately represent all environments. For further information please contact us at the following email address: orders@premierprotectivecoatings.com or visiting www.premierprotectivecoatings.com

DISPOSAL

Any surplus material, including both Part A and Part B components, should be combined and allowed to cure. Upon curing, the product can be disposed of without any restrictive conditions. Uncured materials should be securely stored in an appropriate sealed container and disposed of in strict adherence to the applicable provincial, state, municipal, and federal regulations.

CAUTION

ALWAYS KEEP OUT OF THE REACH OF CHILDREN
KEEP FROM FREEZING CONDITIONS
INTENDED FOR INDUSTRIAL USE ONLY