

1. Product Information

Description

PC-825PA is a high solids, color stable aliphatic polyurea coating. PC-825PA may be applied directly to most substrates and may be used as a topcoat for existing epoxy, polyurethane, or polyurea. This coating is extremely color stable and displays excellent UV weathering characteristics. PC-825PA may be applied in temperatures as low as 20°F. When fully cured, PC-825PA will produce a highly abrasion resistant, high-gloss, smooth finish.

PC-825PA adheres well to most substrates including concrete, steel, wood and plastic. The high tensile strength of the coating is able to withstand the abuse of industrial equipment, steel-wheeled carts and forklifts. The excellent chemical resistance is well suited for many harsh applications.

Features

- Fast cure, high solids, low VOC's
- High tensile strength
- Color stable, excellent UV stability
- Adheres well to most substrates
- Low odor
- Cures as low as 20°F
- High gloss finish
- USDA, FSIS approved
- Adds new life to epoxy floors
- Conforms to SSPC-Paint 39, Type 2

Limitations

Cannot be used in situations of extremely high or low pH, coupled with high temperature immersion. Contact The Polyurea Company for a more suitable system.

2. Product Use

Applications

- Any exterior use requiring color stability
- Automobile dealership floors
- Aircraft hangers
- Decorative floor coating

Coverage Rates

Mils	10	15	50	60	80
Sq. Ft.	160	107	32	27	20

The above figures are estimated coverage rates and can vary on the substrate condition and texture.

Mixing

Mix part 'A' with part 'B' until thoroughly mixed (use paint paddle or low speed drill mixer; however, do not entrain air or bubbles into the mixture. 5 to 15% acetone by volume may be added to the mixed 'A' & 'B' to obtain the stated pot life. If color is desired, add color pigment to the diluted 'A' & 'B' mixture until color is homogeneous. For information contact The Polyurea Company.

3. Physical Properties

Mix Ratio by Volume	1.5:1
Gel Time (Minutes)	40-50
Tack Free Time (Minutes)	85-95
Solids Content	100
Shore D Hardness, ASTM D2240	50-55
Shore A Hardness, ASTM D2240	95-100
Elongation %, ASTM D638, Type IV	14.5 - 15.5
Tensile Strength (PSI), ASTM D638, Type IV	2800-3260
Tear Strength (lb./in.), ASTM D624, Die C	360-400
Taber Abrasion, ASTM D4060 (CS-17 Wheel, 1000 Cycles)	15
Water Vapor Transmission, ASTM E96, Proc A permeability (80mils), grams/Pa*s*m	5.46E-11

The values stated in this technical data sheet are produced under controlled laboratory conditions.

Conforms to SSPC-Paint 39 Type 2

4. Preparation and Installation

PC-825PA adheres well to clean, dry and sound substrates including cured concrete, steel, wood and plastic. All surfaces should be free of loose particles, contaminant, voids and spalls. It is recommended that the product be applied in a multi-directional (north-south, east-west) motion to ensure proper coating thickness. Chloride levels should be checked prior to application. PC-825PA may be applied up to a 10 mil thickness per application. Second coat shall be applied within 4 hours of initial coat. The working time of this product is 10 to 12 minutes. Please review Material Processing & Handling Information for further details. Not to be used for constant immersion environments.

It is recommended to wipe steel surfaces with acetone prior to application of PC-825PA. This will remove moisture or dust that may have accumulated on the surface after abrasive blasting. PC-825PA may be over coated after it has become tack free.



PC-825PA

Polyaspartic Pure Polyurea

Technical Data Sheet

5. Colors

Clear, transparent. Custom color upon request. Consult The Polyurea Company.

6. Packaging

106 Gallon Kit

53 Gallon Part-A (Isocyanate) and 53 Gallon Part-B (Resin).

Products are packaged by weight, so final package volume is a close estimation.

7. Shelf Life

A properly stored product in original, unopened factory containers, kept at a temperature above freezing should have a shelf life of 12 months from the date of shipment. Proper storage temperature is 60°F to 110°F (16°C to 45°C).

8. Safety

For in-depth information on product safety and precautions, please review the product SDS sheets. Prior to using the product, ensure that you have the proper personal protection equipment (PPE) available. This includes but is not limited to the following items:

- Safety Glasses with a splash shield
- Minimum Organic Cartridge Respirator
- Rubber or Nitrile Gloves
- Disposable or Reusable Long Sleeve Overalls
- Rubber or leather boots

Always be sure to follow the precautions listed below when using the material:

- Do Not use near high heat or open flame
- Do Not take internally
- Keep out of reach of children

9. Maintenance

No Information Provided

10. Clean-Up / Disposal

Excess material can be mixed together at the proper ratio and disposed of without restriction once cured. Product containers may be disposed of according to local, state and federal laws.

11. Warranty

At its sole election, The Polyurea Company will refund the price of or replace product it finds to be defective provided the product has been used properly and installed by a certified The Polyurea Company applicator. Except as expressly stated above, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose; nor does it make any warranty, express or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, loss of use, indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.

12. Technical Support

For technical support, please you may send an email to support@thepolyureacompany.com.

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