



**POLYCOAT
PRODUCTS**

A Division of American Polymers Corp.

TECHNICAL DATA SHEET

PSE 568-50A

*POLYUREA-URETHANE
HIGH PERFORMANCE COATING*

Product Description

PSE 568-50A is a two-component polyurethane spray elastomer system. This spray system provides excellent abrasion and chemical resistance. PSE 568-50A is 100% solids and contains no voc's.

Uses

Recommended uses for this coating system include industrial, concrete protection, flotation and other application.

Storage and Handling

Containers for both A and B components should be kept tightly closed to prevent moisture infiltration. Do not reseal if moisture infiltration is suspected. Use of a dry nitrogen blanket for partial drums is recommended. Component B should be stored at ambient temperatures. Storage for Component A should be maintained between 77°F (25°C) and 95°F (35°C). For best results, this product should not be allowed to freeze, although it may be reheated in a well-ventilated oven for a period of time to re-liquefy solid particles. To avoid product degradation, product temperature during re-heating should not exceed 140°F (60°C). An additional note of caution is that exposure to temperatures over 400°F (204°C) can create excessive pressure, potentially causing containers to rupture. Do not breathe aerosol or vapors and avoid contact with skin and eyes. Exposure to the vapors of heated MDI can be dangerous. To heat the product properly, use well-ventilated convection ovens or other methods that distribute heat evenly. Avoid using drum heaters or other heat sources that may cause excessive local heating.

Health and Safety

Be sure to review all information concerning the health and safety precautions that must be observed when handling any of the products listed above. Before working with these products, it is your responsibility to read and become familiar with the available information on product hazards, proper use, and handling. This is extremely important and cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. To obtain this information, contact your Polycoat Products representative.

Typical Properties Side-A (ISO)

Viscosity @ 77°F (25°C)	900-1000 MPa
Specific Gravity @ 77°F (25°C)	1.12
Appearance @ 77°F (25°C)	liquid
Wt./gallon @ 77°F (25°C) lbs/gal	9.20

Typical Properties Side-B (Polyol Blend)

Viscosity @ 77°F (25°C)	800-1000 mPas
Specific Gravity @ 77°F (25°C)	1.05
Appearance @ 77°F (25°C)	viscous liquid
Wt/gallon @ 77°F (25°C) lbs/gal	8.65

Typical Physical Properties

Hardness Shore A	50-55
Elongation, 77°F (25°C)	450-500%
Tensile Strength 77°F (25°C)	650-750 psi (4.48-5.17 MPa)
Tear, Die C	150-180 pli (26.3-31.6kN/m)
Taber Abrasion, CS-17 wheel, 1000gr. Load	10 mg lost/1000 cycles

Processing Characteristics

Solids by Weight and Volume	100%
Mix Ratio by Volume	1:1
Dry Time to Touch	20-39 seconds
A Component Temperature	120-150°F (48.9-65.6°C)
B Component Temperature	120-130°F (48.9-54.4°C)
Line Temperature	110-120°F (43.3-48.9°C)
Spraying Pressure	1400 minimum



Limited Warranty: Please read all information in the General Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. These products are for professional use only and preferably applied by professionals who have prior experience with the Polycoat Products materials or have undergone training in application of Polycoat Products materials. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data, instructions, and project specific recommendations.

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products' current published physical properties. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products 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. Polycoat Products 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. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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