

PRODUCT DATA SHEET

1. PRODUCT DESCRIPTION

Stealth 550™ is a 100% polyurea spray elastomer with exceptional physical properties. Its fast reactivity and one-to-one ratio makes Stealth 550 an excellent choice for high performance applications.

2. USES

Stealth 550™ is designed for use in harsh environments where high temperature, chemical, and/or abrasion resistance is needed. It exhibits excellent adhesion to most materials and is suitable as a protective-abrasive-impact liner for cementitious, wood, and/or metal surfaces.

3. PHYSICAL PROPERTIES

Durometer Hardness (Shore A), <i>ASTM D-2240</i>	90 - 95
Density (pcf), <i>ASTM D-1622</i>	65
Tensile Strength (psi), <i>ASTM D-2370</i>	2500 psi minimum
Abrasion Resistance, taber, <i>ASTM D4060</i>	0.013% / 1000 cycles
Elongation, <i>ASTM D-2370</i>	250% average
Tear Strength (pli), <i>ASTM D-1004</i>	400 pli minimum

4. PRODUCT APPLICATION PARAMETERS

PROPERTY	TEST METHOD	"A" SIDE	"B" SIDE
Color	n/a	Off-white	Amber/Black
Specific Gravity	ASTM D-1638	1.18	1.02
Viscosity	Brookfield LVF	600 cps +100	500 cps +100
Mixing Ratio	By Volume	50	50
Gel Time (string)	String Gel	5-6 seconds	5-6 seconds
Gel Time	Dry to Touch	10 seconds	10 seconds
Pounds per Gallon	From Spec. Gravity	9.83	8.50

5. CHEMICAL RESISTANCE TESTING (Immersion Method)

Fluid	Exposure Temp	Weight % Δ	Shore D % Δ	Secondary Containment
CaBr	150°F	-1.57%	1.67%	Recommended
CaBr	77°F	-0.62%	0.00%	Recommended
CaCl	150°F	-1.88%	-3.33%	Recommended
CaCl	77°F	-0.76%	0.00%	Recommended

continued on next page

5. CHEMICAL RESISTANCE TESTING (Immersion Method - cont.)

Fluid	Exposure Temp	Weight % Δ	Shore D % Δ	Secondary Containment
Diesel	150°F	17.37%	-13.33%	Conditional
Diesel	77°F	6.78%	-3.33%	Conditional
D.I. H ₂ O	150°F	0.45%	-25.00%	Conditional
D.I. H ₂ O	77°F	1.73%	-13.33%	Recommended
Gasoline	77°F	67.48%	-61.67%	Not Recommended
Hydraulic Oil	150°F	1.09%	8.33%	Recommended
Hydraulic Oil	77°F	0.28%	-3.33%	Recommended
H ₃ PO ₄ 1.0%	150°F	-1.44%	-10.00%	Recommended
H ₃ PO ₄ 1.0%	77°F	1.68%	-5.00%	Recommended
H ₃ PO ₄ 10.0%	150°F	24.76%	-50.00%	Not Recommended
H ₃ PO ₄ 10.0%	77°F	1.56%	-6.67%	Recommended
HCl 37%	77°F	133%	75%	Not Recommended
HCl 10%	77°F	1.71%	5%	Recommended
Citric Acid 10%	77°F	2.37%	3.3%	Recommended
Kerosene	77°F	18.72%	13.33%	Conditional
Jet Fuel A	77°F	16.5%	18.3%	Conditional
AV Gas 100 Oct	77°F	25.2%	23.3%	Not Recommended
Ethylene Glycol	77°F	2.65%	11.67%	Recommended
Isopropanol	77°F	40.14%	-43.33%	Not Recommended

Use of this product as a secondary containment barrier should be cross verified by customer through in situ testing. Test data was generated by immersing free films in liquids for 1 month.

* Conditional recommendations require cleanup of spills within 24 hours.

6. STORAGE & USE

Filled and pigmented resins will separate upon storage. Premix the B-component prior to use each day. Urea resins are sensitive to moisture and must be kept dry at all times. Blanket open drums with nitrogen when in use. Keep unused materials tightly sealed in a dry environment. Store drums between 70° F and 90° F. Stealth 550™ components are temperature sensitive and will freeze. Should the components freeze they can be heated to 100° F and remixed prior to use. Storage of the A-component below 55° F will lead to reduced product performance.

Warning: Do not reseal isocyanate drums if exposed to moisture as pressure may develop and rupture drum. Refer to the SDS and labels for additional information.

7. TECHNICAL SUPPORT

Technical Services, Sales, and Customer Support: (713) 854-4858

8. WARRANTY

Phoenix MCBS, LLC will repair or replace product it finds to be defective provided the product has been used properly. 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, expressed 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, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.