



## EX-450 TECHNICAL DATA SHEET

### PRODUCT DESCRIPTION

EX-450 is a 100% solids, state-of-the-art, VOC-free, plural-component, pure polyurea elastomeric membrane. This seamless system exhibits extraordinary performance characteristics. This membrane achieves an extremely tough, flexible, chemical and abuse resistant finish for a wide range of applications.

### PRODUCT ADVANTAGES

Smooth finish	Higher elongation & greater flexibility
Slower reactivity & better substrate wetting	Fast cure; can be handled/walked on in minutes
Seamless & can be applied at any thickness	Application at 20F to 300 F
Resistant to thermal shock	No VOC's
Resistant to many chemicals	Fungus resistant
USDA Approved	Can be top coated for UV or chemical resistance

### TYPICAL PHYSICAL PROPERTIES

Taber Abrasion Resistance, ASTM D4060 : (1000g, 1000rev, CS 17)	220
Taber Abrasion Resistance, ASTM D4060 : (1000g, 1000rev, H 15)	10 (less than)
Flame Spread, ASTM E108 :	Class A
Flame Spread, FMVSS 302 :	Pass
Flash Point :	200 °F
Mandrel Bend, 1/4" Mandrel-20 C, 30-50mil : Free Film ASTM D1737	Pass
Mandrel Bend, Conical Bend 1/32" Steel panel: ASTM D522	Pass
Shore Hardness- A, ASTM D2240 :	95
Shore Hardness- D, ASTM D2240 :	50 – 51
Tear Strength, ASTM D624 :	495 pli
Tensile Modulus, ASTM D412 :	17944 - 20729 psi
Tensile Strength, ASTM D412 :	2678 - 2832 psi
Elongation, ASTM D412 :	450 %
Flexibility Testing, ASTM D2794 :	>160

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Exemplary Foam, LLC | Phone 574.295.8888  
1235 W. Hively Ave. | Toll free 866.495.3626  
Elkhart, IN 46515-2207 | Fax 574.295.8881

[www.exemplaryfoam.com](http://www.exemplaryfoam.com)