



## TECHNICAL DATA SHEET – EX 450

### 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. EX 450 is based on amine-terminated polyether resins, amine chain extenders and MDI prepolymers. 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	Applications at 2- 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

### APPLICATIONS:

Truck beds & steel coating	Concrete or earthen containment areas
Pipe coatings (interior/exterior)	Floor and wall systems
Cold storage areas	Waste water tanks and facilities
Aquariums	Petrochemical plants
Fertilizer plants	Cooling tower lines
Pulp and paper mills	General industrial plants
Mechanical rooms	Tank linings

### COMPONENT PROPERTIES:

Color, Isocyanate:	Light Yellow
Color, Polyol:	Black Custom
Specific Gravity (74F), Isocyanate:	1.13
Specific Gravity (74F), Polyol:	1.05
Viscosity (74F) ASTM D-1638 (Isocyanate):	250 cps
Viscosity (74F), ASTM D-1638 (Polyol):	500 cps

### TYPICAL PHYSICAL PROPERTIES:

Elongation, ASTM D412:	450%
Flame Spread, ASTM E108:	Class A
Flame Spread, FMVSS 302:	Pass
Flash Point:	200
Shore Hardness-D, ASTM D2240:	50-51 Shore D
Tear Strength, ASTM D624:	495 psi
Tensile Modulus, ASTM D412:	17944-20729 psi
Tensile Strength, ASTM D412:	2678-2832 psi

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