



eco-PROTECTIVE PRODUCTS, LLC

Technical Data Sheet

August 2008

Eco-Coat 8000

PRODUCT DESCRIPTION

Eco-Protective Products' EC-8000 is a sprayable, VOC-free two-component, pure polyurea elastomeric membrane. Its low viscosity at operational temperatures makes it a product ideal both for in-plant and field application. Unique properties of this coating are its rapid cure time and its insensitivity to moisture.

ADVANTAGES

- Almost instant gel time
- Fast cure; can be handled/walked on in one minute
- Can be built up to any thickness in one application
- Seamless and flexible
- Application at -20°F to 300°F
- Resistant to thermal shock
- No VOC's
- USDA Approved
- Resistant to many chemicals

USES

- Containment areas
- Earthen containment
- Pipe coating
- Floor and wall systems
- Cold storage areas
- Waste water
- Tank linings
- Cooling tower liners
- Pulp and paper mills
- Industrial plants
- Mechanical rooms
- Aquariums
- Fertilizer plants
- Bridges
- Manhole Vaults
- Street Lights
- Lift Station Waterproofing
- Zoo enclosures
- Dairy barn walls and floors
- Floating Docks Wet Wells
- Dry Wells

Reaction Profile

Gel/Tack Free Time, seconds

6-20

TYPICAL PERFORMANCE CHARACTERISTICS

Tensile Strength, psi (ASTM D-638)	3000
Elongation, % (ASTM D-638)	8000
Tear Strength, pli (ASTM D-624)	475
Shore D Hardness (ASTM D-2240)	50
Moisture Vapor Transmission (ASTM E-96) (PERMS @ 30 dry mils)	0.02
Abrasion Resistance, mg (ASTM D-4080) (1000g, 1000 rev, H-15)	170
(1000g, 1000 rev, cs 17)	<5
1000 Modulus, psi (ASTM D-638)	1600
Flash Point	>200°F
Flame Spread (ASTM E-108)	Class A
Flexibility Testing, in-lbs (ASTM D-2794)	>160
Mandrel Bend	
Conical Bend (on 1/32" steel panels, ASTM D-552)	Pass
1/4" Mandrel 25°C, free film	30-50, ASTM D-1737 Pass
1/4" Mandrel -20°C, free film	35-50, ASTM D-1737 Pass

APPLICATION RECOMMENDATIONS

Machine Mixing Requirements:

Heated Plural Component Equipment, 1:1 ratio only, such as: H 2000, H-35000 or H-20/35 series with a GX7, sprayed at a minimum of 2000 psi and 160°F at the gun

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“Mother Nature’s Preferred Paint”