

SPECTRASHIELD

LINER SYSTEMS

BARRIER COAT - MODIFIED POLYUREA

PRODUCT DESCRIPTION:

SpectraShield Barrier Coat, is a two component 100% solid Modified Polyurea with superior performance in water/wastewater applications. *Barrier Coat* displays extremely fast cure times with excellent adhesion to a variety of substrates such as concrete, brick and steel. It can be spray applied at temperatures ranging from 20°F to 150°F. *Barrier Coat* has excellent chemical resistance, excellent water insensitivity, and a temperature range of -40°F to 250°F. Additionally, it conforms to USDA and FDA guidelines for incidental food contact.

PRIMARY APPLICATIONS:

Barrier Coat adheres well to several substrates including concrete, steel, and wood. Some typical uses include:

- MANHOLES
- WET WELLS & PUMP STATIONS
- WWTP STRUCTURES
- STEEL TANKS & PIPING
- SECONDARY CONTAINMENT
- WASTEWATER LAGOON & POOL LINING
- COLD STORAGE AREAS
- WASH BAYS & SHOWERS
- COOLING TOWERS
- PETROCHEMICAL REFINERIES
- OILFIELD PIPELINE COATING
- WATERPROOFING
- INDUSTRIAL COATING
- COATING POLYURETHANE FOAM

COLOR:

- PINK

TYPICAL PHYSICAL PROPERTIES:

Tensile Strength (PSI)	ASTM D412-06	2550
Elongation (%)	ASTM D412-06	269
Tear Strength (PLI)	ASTM D624-00	428
Hardness (Shore D)	ASTM D2240-05	56
Flexibility (1/8" Mandrel)	ASTM D522-13	Pass
Flash Point (°F)	Pensky-Martin	>200
Taber Abrasion (mg loss) CS17 Wheel, 1 kg per 1000 cycles	ASTM D4060-14	23
Viscosity – B Side	CPS	300
Viscosity – A Side	CPS	350
Ratio – A/B	PBV	1:1

TYPICAL PROCESSING PROPERTIES:

Gel Time	Seconds	9
Tack Free Time	Seconds	15
Open to Foot Traffic	Minutes	5
Open to Industrial Traffic	Minutes	60

RECOMMENDED EQUIPMENT SETTINGS:

A-Side Hose Temperature	°F	150
B-Side Hose Temperature	°F	150
Block Temperature	°F	150
Spray Pressure (PSI)	Graco, GX-7	2000



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