

# SPECTRASHIELD

## L I N E R   S Y S T E M S

### SpectraGarde™ Potable Water Coating System

#### PRODUCT DESCRIPTION:

*SpectraGarde* is a 100% solids, multi-layered hybrid polymer coating system that contains no volatile organic compounds (VOC) or solvents. It has been formulated as a hard, durable, chemical resistant coating that also provides good flexibility and impact resistance.

*SpectraGarde* is certified to NSF/ANSI Standard 61 by the NSF for lining potable water tanks, pipes, valves, and fittings in ambient temperature applications. The multi-layer system is typically applied at a minimum thickness of 500 mils. *SpectraGarde* remains flexible so that it expands and contracts with the substrate.

#### PRIMARY APPLICATIONS:

*SpectraGarde* adheres well to several substrates including concrete, steel, and other surfaces. Some typical uses include:

- POTABLE WATER TANK LINING
- POTABLE WATER PIPE LINING
- LINING FOR POTABLE WATER VALVES
- COATING POLYURETHANE FOAM

#### COLOR:

- BEIGE

#### TYPICAL PHYSICAL PROPERTIES:

Tensile Strength (PSI)	ASTM D412	2776
Elongation (%)	ASTM D412	41
Hardness (Shore D)	ASTM D2240	72
Flexibility (3/4" Mandrel)	ASTM D522	Pass
Flash Point (°F)	Pensky-Martin	>200
Taber Abrasion (mg loss) CS17 Wheel, 1 kg per 1000 cycles	ASTM D4060	45
Moisture Vapor Transmission (40 mils – grams/100 in <sup>2</sup> )	ASTM F-1249-90	0.012
Water Absorption (%)	ASTM D570	0.49
Cathodic Disbondment (mm)	ASTM G95	0
Dielectric Strength (V/mil)	ASTM D149	527
Ratio – A/B	PBV	3:1

#### TYPICAL PROCESSING PROPERTIES:

Dry to Touch (75°F)	Minutes	120
To Normal Use (75°F)	Hours	24
Potable Water Use (75°F)	Hours	72

#### RECOMMENDED EQUIPMENT SETTINGS:

A-Side Hose Temperature	°F	140
B-Side Hose Temperature	°F	80



9716 Florida Mining Blvd  
Jacksonville, FL 32257  
(904) 268-4951  
FAX (904) 268-4823  
[www.spectrashield.com](http://www.spectrashield.com)