PRODUCT DESCRIPTION

CHEMICAL DESCRIPTION
Solventless Aromatic Polyurethane, Chemical Cure, ASTM Type V

PRODUCT USAGE
DuraShield 210 (DS210) is a 100% solids, two-component polyurethane coating that contains no volatile organic compounds (VOC), solvents or extending fillers. Formulated specifically as a pipe coating and lining product, DS210 is a hard, durable, chemical resistant coating that also provides great flexibility and impact resistance for ferrous and non-ferrous metals, concrete and other surfaces. By employing hydrophobic polyurethane resins, DS210 has a very low water absorption rate – lower even than most epoxies – and the best cathodic disbondment protection possible. The hydrophobic properties of DS210 also impart improved tolerance to moisture, both in the container and during application. This allows DS210 to cure to a hard, flexible, durable film with a very glossy, extremely well-adhered, impermeable finish. DS210 is designed specifically to provide very fast cure times, while at the same time demonstrating excellent adhesion. Application of DS210 is accomplished by spray (using a certified LifeLast spray system).

COLORS
Standard color is almond. Others colors available upon request.

CURE SPEED

Interior: slower cure rate allows overspray to wet back into the film on interior pipe and fitting applications.

Exterior: fast cure rate allows quick handling and processing

PRODUCT CERTIFICATIONS
Meets AWWA C222. FDA approved for dry bulk applications.

PRODUCT ADVANTAGES
- Highly impermeable – provides the best cathodic disbondment protection; tolerant application properties; very good moisture resistance
- Excellent adhesion
- Abrasion and impact resistant – mitigates damage during handling
- Customizable formulation – optimizes spray characteristics; use up to 15% less coating to meet specifications
- Good flexibility - expands and contracts with substrate; great impact resistance
- High build characteristics - application thicknesses from 20 mils to 250 mils in one application; completely encapsulates welds, rivets and edges
- No extending fillers – solid, unfilled film provides optimal properties – excellent long-term adhesion

TYPICAL APPLICATIONS
- Water Transmission and Storage
- Wastewater Treatment – Municipal and Industrial
- Pipes – interior linings and exterior coatings
- Tanks – interior linings and exterior corrosion protection

SURFACE PREPARATION
Preparation requirements vary with application. Refer to "Application Specification for Steel Pipe – DuraShield 210 & DuraShield 210-61 Polyurethane Coatings" or contact LifeLast technical representative for assistance.

COATING SYSTEMS

PRIMERS
Steel: Self-priming
Non-Ferrous Metals & Galvanized Steel: Self Priming or Primall-160
Concrete & Wood: Self-priming or Primall-160 epoxy primers

TOPCOATS
Compatible aliphatic urethane
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LifeLast, Inc. • 1301 NE 144th St., Ste. 125 • Vancouver, WA 98685 • Phone (360) 254-0563 • FAX (360) 254-0745