



INTELLATHANE

ECO-6

Protective Coating System – FDA-Grade Spray Polyurea Designed for Indirect Food Contact

DESCRIPTION

Intellathane ECO-6 is a 100% solids, spray applied elastomeric protective coating designed for use on surfaces involved in the production, manufacturing, packing, processing, preparing, packaging, transporting, or storing food. Intellathane ECO-6 is formulated to meet the United States Food and Drug Administration (FDA) requirements for use on food-contact surfaces. Intellathane ECO-6 is a urea hybrid system that contains zero VOCs and exhibits excellent adhesion to wood, metal, concrete, and fiberglass substrates.

TYPICAL PHYSICAL PROPERTIES

Property	ECO-6 ISO	ECO-6 RESIN
Brookfield Visc. @78°F, 20 RPM	500 CPS	800 CPS
Weight/Gallon	9.67 lbs	8.70 lbs
Processing Data		
Mix Ratio (Parts by Vol.)	1:1	
Reactivity Time	6 Seconds	
Full-Cure Time	24 Hours	
Cured Property		
Test Method	Result	
Color	Multiple Available	
Durometer	ASTM D2240	65 Shore D
Tensile Strength	ASTM D412	2,600 PSI
Elongation	ASTM D5034	120%
Die-C Tear Strength	ASTM D624	430 PLI
Dolly Adhesion	ASTM D4541	> 1,800 PSI

APPLICATION REQUIREMENTS & PARAMETERS

- » Spray equipment must produce a minimum of 2,500-psi with an output of 1.5 gallons per minute. The heating component of the equipment must be able to maintain a temperature at the gun of 150°F. The hose on the equipment must be heated and rated a minimum of 3,000-psi burst pressure. The spray gun must also be rated at the pressures and throughputs required.
- » The substrate must be dry! Proper substrate prep is critical to application success! A minimum ambient temperature of 5°F above the dew point is mandatory. The ambient relative humidity should not be above 85%. Product working temperature range is -40°F to 280°F. Pin-holing may occur if the above parameters are not strictly followed; it is up to the applicator to check initial climatic conditions. It is recommended that a small area be sprayed and checked for proper application.
- » The material theoretically will cover 1,604 square feet at 100 mil dry film thickness. Coverage of the substrate should include a waste factor based on conditions at the site and type of substrate to which the material is being applied.
- » Liquid materials should be stored at temperatures between 55°F and 95°F in sealed containers. The A-side component should always be blanketed with nitrogen gas. Material shelf life is 6 to 12 months. Consult product SDS for proper safety and handling procedures of components.

DISCLAIMER: THE DATA PRESENTED HEREIN IS NOT INTENDED FOR USE BY NON-PROFESSIONAL APPLICATORS, OR THOSE PERSONS WHO DO NOT PURCHASE OR UTILIZE THIS PRODUCT IN THE NORMAL COURSE OF THEIR BUSINESS. THE POTENTIAL USER MUST PERFORM ANY PERTINENT TEST IN ORDER TO DETERMINE THE PRODUCT'S PERFORMANCE AND SUITABILITY IN THE INTENDED APPLICATION; FINAL DETERMINATION OF QUALIFICATION FOR SAID PRODUCT IN ANY PARTICULAR APPLICATION IS THE RESPONSIBILITY OF THE BUYER/USER.

CALL CARLISLE POLYURETHANE SYSTEMS FOR TECHNICAL QUESTIONS. (888) 899-9665.

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