



PLI-DEK ICC-ES ESR-2097 SYSTEM

Waterproofing for Use on Horizontal Wood Surfaces

DATA SHEET

Introduction:

The Pli-Dek ICC ESR-2097 System is a 1-Hour; Class "A" Fire Rated deck system. It uses a polyacrylic emulsion membrane, combined with elastomeric, acrylic, or cementitious finishes. The system consists of a 2.5 lbs. /sq.yd. galvanized metal lath, Base Coat, and a wide range of finishes. This system offers high durability with low maintenance.

Primary Use:

The Pli-Dek System is designed for plywood balconies, walking decks, stairways, and roof decks where waterproofing is essential. It provides a durable wear surface for interior and exterior use, and meets the demands of the Class "A" and 1-Hour Fire Ratings. The Pli-Dek System is excellent for new construction as well as retrofit work.

Technical Data:

<u>TEST</u>	<u>RESULTS</u>	<u>ASTM TEST</u>
Spread of Flame	Class "A"	E-108
Fire Resistive Test	1-hour	E-119
Bond Strength- Plywood	126 psi	C-297
Tensile Strength	1505 psi- after weathering	D-2707
Impact Test	No Cracking	D-3320
Water Transmission	.31 grams/24hrs.	E-96
Abrasion Test	2.9%	D-1242
Static Coefficient Of Friction	.835	C-1028-96
Compressive Strength	6075 psi	C-150-72

Limitations:

Not for use in areas intended for vehicular traffic.

Packaging:

The GU80-1 Powders are available in 46 lb. bags. The GU80-1 Liquid Admixture, GS99-1 Clear Sealer, PD Resin, and GS88-1 Pigmented sealer are supplied in 5 gallon pails. The flashing, metal lath, and staples are sold separately in various quantities.

Shelf Life:

One year from the ship date. Do not allow products to freeze. Do not store GU80-1 powders in wet or damp areas.

Color:

The finish coat of the Pli-Dek ICC system is available in 15 standard colors. Custom color matching is also available.

Standards:

The Pli-Dek System meets the requirements of the ASTM E119-88 for a One-Hour Fire Rating and the ASTM E108-82 for a Class "A" Fire Retardant Roof.

Job Conditions:

The ambient air and surface temperature must be a minimum of 4.44°C (40°F) and a maximum of 43°C (110°F) and shall remain so for at least 24-hours. Do not install over wet substrates or in rainy conditions. The Pli-Dek applicator shall inspect the substrate for any deficiencies and notify the architect or general contractor in writing of the corrections that need to be made before application of the Pli-Dek products.

Warranty:

Contact Pli-Dek Systems, Inc. for warranty information.

Technical Assistance:

Pli-Dek Systems, Inc. or its local authorized representatives are available for technical assistance and/or inspections for the Pli-Dek line of products.