DURO-LAST® LIQUID-APPLIED FLASHING FIELD RESIN

DESCRIPTION:

Duro-Last® Liquid-Applied Flashing (DL-LAF) Field Resin is a high performance, rapid-setting, liquid-applied membrane used for difficult situations and flashings such as pipes or curbs. It can be used with all Duro-Last membranes as an alternative to traditional membrane flashings.

DL-LAF Field Resin is made from polymethyl methacrylate (PMMA) liquid resin. It is catalyzed with DL-LAF Catalyst powder and combined with DL-LAF Fleece reinforcing fabric to form a flexible, monolithic, reinforced membrane.

ORDERING:

DL-LAF Field Resin is ordered per individual 55 lbs pail. Approximate coverage is based on the *Approximate Coverage Rates* on page 2.

- Summer formulation
  55-lbs (5.4-gal) pail (Item #22002)
- Winter formulation
  55-lbs (5.4-gal) pail (Item #22002W)

STORAGE AND HANDLING:

Always store containers in a cool, ventilated and dry location away from heat and ignition sources. Do not store in direct sunlight or in temperatures below 32° F (0° C) or above 77° F (25° C). Approximate shelf life is twelve months from date of manufacture when properly stored, sealed, and unmixed.

PRECAUTIONS:

- Read Safety Data Sheets (SDS) prior to using.
- Wear proper personal protective equipment, such as gloves and eye protection, per the SDS.
- **Keep away from children.**

Cool Roof Rating						
Product	Solar Reflectance		Thermal Emittance		SRI	
	Initial	3-yr	Initial	3-yr	Initial	3-yr
DL-LAF Field Resin (White)	0.86	0.72	0.87	0.86	109	88

TECHNICAL INFORMATION:

Unit Size (lbs)	Ambient Temp (° F)	Substrate Temp (° F)	Resin Temp (° F)	Pot Life (min.)	Rain Proof (min.)	Next Layer (hour)	Fully Cured (hour)
55 (20.5 L)	23-95 (-5 to 35° C)	23-122 (-5 to 55° C)	37-86 (3 to 30° C)	15-20 at 68° F (20° C)	30-45 at 68° F (20° C)	1-1.5 at 68° F (20° C)	3-6 at 68° F (20° C)

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Approximate Coverage Rates						
Substrate Profile	**Minimum Total Consumption lbs/ft²**	**Base Coat Consumption lbs/ft²**	**Top Coat Consumption (lbs/ft²)**	**Total Thickness mils (mm)**	**Base Coat mils (mm)**	**Top Coat mils (mm)**
Smooth	0.64	0.42	0.22	97 (2.4)	65 (1.6)	32 (0.8)
Typical	0.68	0.46		106 (2.7)	74 (1.9)	
Granulated	0.79	0.57		122 (3.1)	90 (2.3)	
Rough	0.88	0.66		140 (3.5)	108 (2.7)	

Catalyst Mixing Chart												
Catalyst Required	**SUMMER FORMULATION**						**WINTER FORMULATION**					
	6% Catalyst 37° F (3° C) to 50° F (10° C)		**4% Catalyst** 50° F (10° C) to 68° F (20° C)		**2% Catalyst** 68° F (20° C) to 95° F (35° C)		**6% Catalyst** 23° F (-5° C) to 37° F (3° C)		**4% Catalyst** 37° F (3° C) to 50° F (10° C)		**2% Catalyst** 50° F 10° C) to 68° F (20°C)	
55 lbs pail	**15** 3.53 oz packets		**10** 3.53 oz packets		**5** 3.53 oz packets		**15** 3.53 oz packets		**10** 3.53 oz packets		**5** 3.53 oz packets	
2.2 lbs	TBSP	oz	TBSP	oz	TBSP	oz	TBSP	oz	TBSP	oz	TBSP	oz
	6	2.12	4	1.4	2	0.7	6	2.12	4	1.4	2	0.7
1.06 qt (≈2.65 lbs)	7	2.47	5	1.76	2.5	0.84	7	2.47	5	1.76	2.5	0.84

Physical Properties			
Property	**MD**	**XMD**	**Test Method**
Peak Load @ 73.4° F (23° C) Control, lbf/in (kN/m)	60 (10.5)	55 (9.6)	ASTM D5147
Elongation @ 73.4° F (23° C) Control, %	55	85	ASTM D5147
Peak Load @ 73.4° F (23° C) Post Heat Aging, lbf/in (kN/m)	65 (11.4)	70 (12.3)	ASTM D5147
Elongation @ 73.4° F (23° C) Post Heat Aging, %	55	50	ASTM D5147
Peak Load @ 73.4° F (23° C) Post Acc. Weathering, lbf/in (kN/m)	70 (12.3)	70 (12.3)	ASTM D5147
Elongation @ 73.4° F (23° C) Post Acc. Weathering, %	70	60	ASTM D5147
Peak Load @ 0° F (-18° C), lbf/in (kN/m)	130 (22.8)	110 (19.3)	ASTM D5147
Elongation @ 0° F (-18° C), %	65	85	ASTM D5147
Tear Resistance, lbf (N)	75 (334)	60 (267)	ASTM D5147
Dimensional Stability, %	0	0.1	ASTM D5147
Static Puncture Resistance, lbf (N)	Pass 56 (249)		ASTM D5602
Shore A Hardness, Durometer	87		ASTM D2240
Water Absorption, %	0.9		ASTM D570 (@ 212°F)
Water Vapor Permeance, perms	0.3		ASTM E96
Low Temperature Flexibility, ° F (° C)	Pass -33 (-36.1)		ASTM D7264
Low Temperature Crack Bridging	No cracks		ASTM C1305
Self-ignition, ° F (° C)	752 (400)		ASTM D1929
Smoke Density Index	150		ASTM E84
Rate of Burning, in/min (m/hr)	0.9 (1.4)		ASTM C635

APPROVALS:

CRRC RATED PRODUCT · FM APPROVED · CLASSIFIED UL · LARR · FLORIDA BUILDING CODE

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INSTALLATION:

1. Before the start of work, prepare and clean areas of application (i.e. must be smooth, clean and free of all foreign materials that might inhibit adhesion) and mask off with masking tape. Refer to DL-LAF Primer Product Data Sheet for surface priming requirements.	
2. Activate with DL-LAF Catalyst powder as per the *Catalyst Mixing Chart* on page 2 and instructions on the DL-LAF Catalyst Product Data Sheet.	
3. Roll catalyzed DL-LAF Field Resin onto prepared substrate. Apply DL-LAF Field Resin via lambswool roller or brush. Apply at mil thicknesses stated within the *Approximate Coverage Rates* on page 2. Provide sufficient DL-LAF Field Resin, especially onto vertical surfaces (about 0.46 lbs/ft^2 (2.26 kg/m^2)).	
4. Apply the previously cut DL-LAF Fleece into wet catalyzed DL-LAF Field Resin. Roll DL-LAF Fleece into DL-LAF Field Resin, removing air bubbles and wrinkles with a roller. Any DL-LAF Fleece overlaps require additional application of catalyzed DL-LAF Field Resin between DL-LAF Fleece layers.	
5. Immediately roll in additional catalyzed DL-LAF Field Resin, fully saturating the DL-LAF Fleece. Visible white areas in DL-LAF Fleece reinforcement are evidence of too little material being applied. Consumption will be approximately 0.022 lbs/ft^2 (0.10 kg/m^2).	
6. Immediately remove masking tape.	
7. Refer to TECHNICAL INFORMATION on page 1 for drying times.	

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