DURO-LAST® LIQUID-APPLIED FLASHING INSTALLATION GUIDE

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GENERAL REQUIREMENTS

- Do not begin work with Duro-Last® Liquid-Applied Flashing (DL-LAF) products until preliminary work has been completed or until unsatisfactory conditions have been corrected. Substrates must be clean, dry and free of any foreign objects prior to application of DL-LAF products. Refer to Step 1 on page 6 for instructions.
- Protect any surfaces that should not receive DL-LAF products.
- Do not apply DL-LAF products whenever weather conditions are unfavorable or inclement. These conditions could be, but are not limited to, rain, snow, high winds or temperatures listed on individual Product Data Sheets.
- Refer to individual Product Data Sheets for safety, storage and handling, and physical properties.

USES

DL-LAF Field Resin and DL-LAF Detailer have specific uses, as described below.

- DL-LAF Field Resin – a high performance, rapid-setting, liquid-applied membrane used with DL-LAF Fleece for difficult situations and flashings, such as I-beams or angle iron. It can be used with all Duro-Last membranes.
- DL-LAF Detailer – a micro-fiber enhanced rapid-setting flashing resin used for waterproofing small and difficult penetrations where standard DL-LAF Field Resin and DL-LAF Fleece may not be applied. DL-LAF Detailer should not be used in locations where movement is anticipated. It can be used with all Duro-Last membranes.

CATALYST INSTRUCTIONS AND MIXING CHARTS

1. Using a slow-speed (200 to 400 rpm) mechanical agitator, premix the entire container of DL-LAF product (i.e. Primer, Field Resin or Detailer) for two minutes before each use, including prior to pouring into a second container if batch mixing. **Catalyze only the amount of DL-LAF product that can be applied within ten to fifteen minutes.**
2. Add premeasured Catalyst to the DL-LAF product, mix for two minutes and apply to substrate, as per the individual Product Data Sheets and this installation guide. Catalyst and DL-LAF product quantities are listed in the *Catalyst Mixing Charts* below.

DL-LAF Primer

Catalyst Required	6% Catalyst 32° F (0° 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)	
22 lbs pail	**6** 3.53 oz packets		**4** 3.53 oz packets		**2** 3.53 oz packets	
1.06 qt (≈2.65 lbs)	TBSP	oz	TBSP	oz	TBSP	oz
	6	2.12	4	1.4	2	0.7

DL-LAF Field Resin

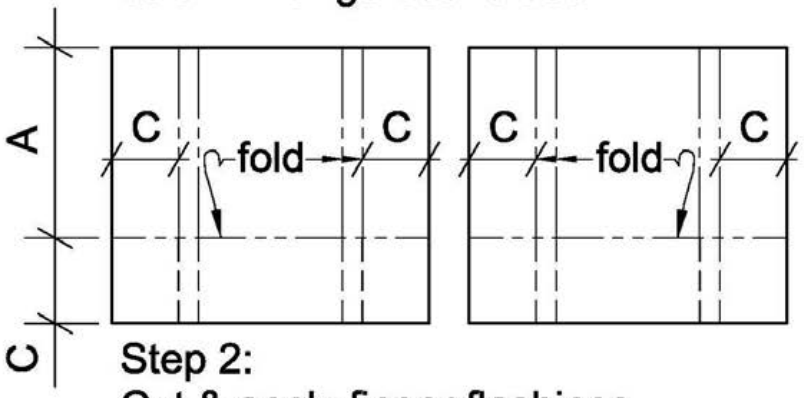
Catalyst Required	SUMMER FORMULATION						WINTER FORMULATION					
	6% Catalyst 37° F (3° C) to 50° F (10° C)		4% Catalyst 50° F (10° C) to 68° F (20° C)		2% Catalyst 68° F (20° C) to 95° F (35° C)		6% Catalyst 23° F (-5° C) to 37° F (3° C)		4% Catalyst 37° F (3° C) to 50° F (10° C)		2% Catalyst 50° F 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

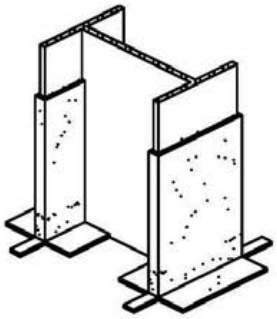
DL-LAF Detailer

Catalyst Required	SUMMER 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)	
	TBSP	oz	TBSP	oz	TBSP	oz
4.4 lbs pail	12	4.23	8	2.82	4	1.4
2.2 lbs	6	2.12	4	1.4	2	0.7
1.06 qt (≈2.65 lbs)	8	2.82	6	2.12	3	1.05

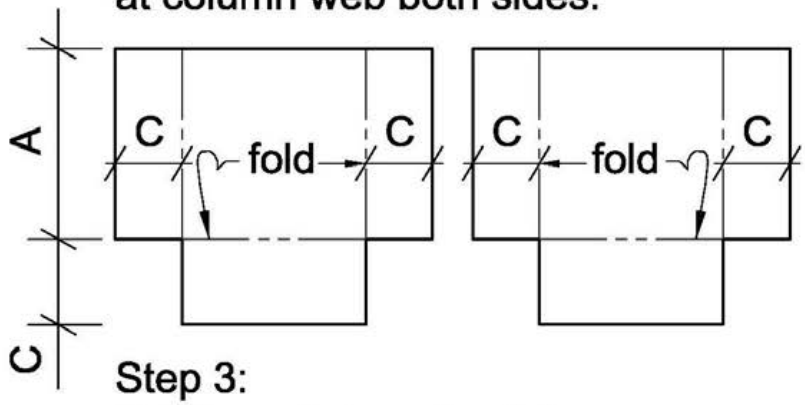
FLEECE PATTERNS – COLUMN SUPPORT

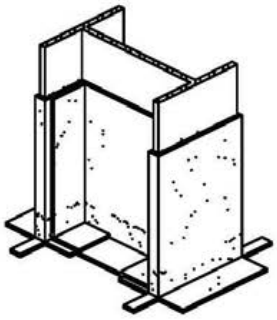
Step 1:
Cut & apply finger flashings at column flange both sides.



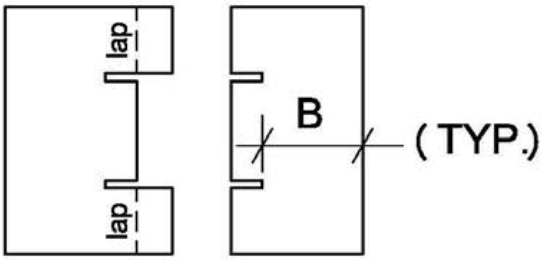


Step 2:
Cut & apply finger flashings at column web both sides.

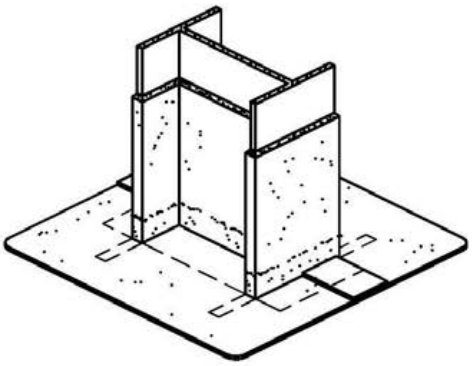




Step 3:
Cut & apply target patch over finger flashing with 2" overlap.

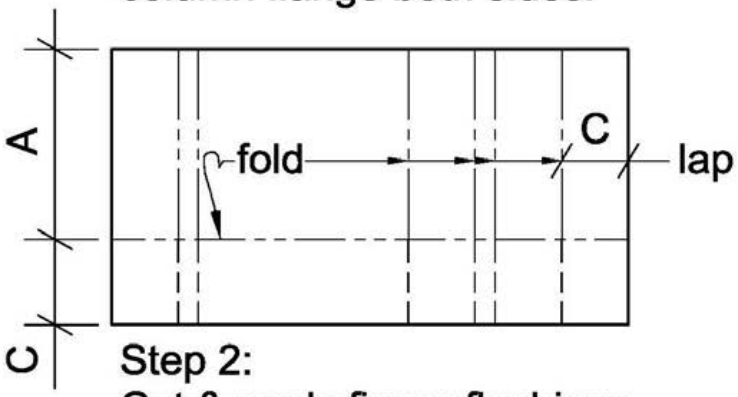


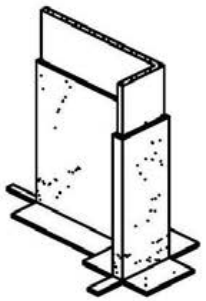
Round all corners.



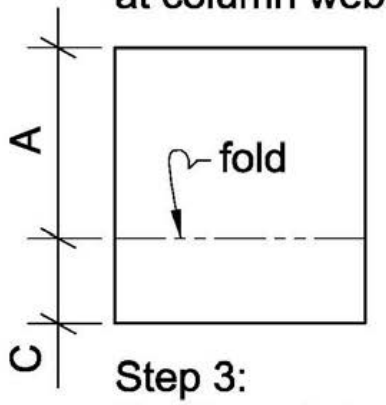
FLEECE PATTERNS – ANGLE SUPPORT

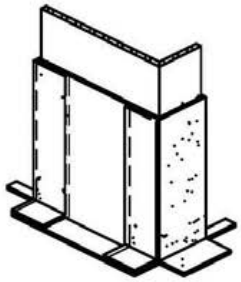
Step 1:
Cut & apply finger flashings at column flange both sides.



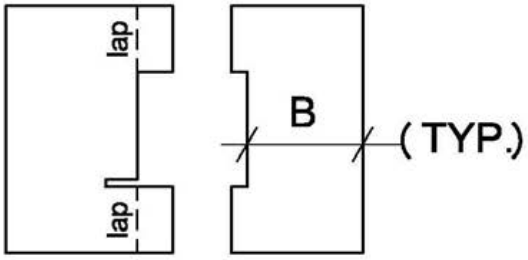


Step 2:
Cut & apply finger flashings at column web both sides.

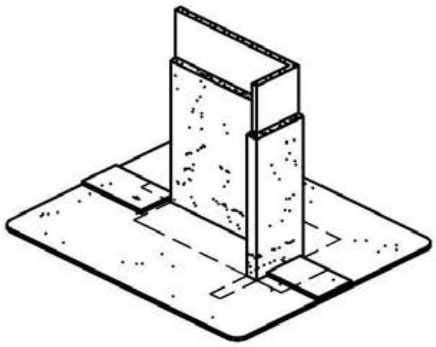




Step 3:
Cut & apply target patch over finger flashing with 2" overlap.



Round all corners.



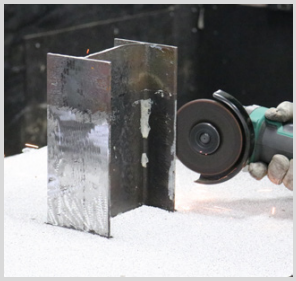
STEP-BY-STEP INSTALLATION INSTRUCTIONS

Step 1. Prepare Surfaces and Prime if Necessary

Inspect each substrate, clean and repair as necessary to obtain a clean and smooth surface.

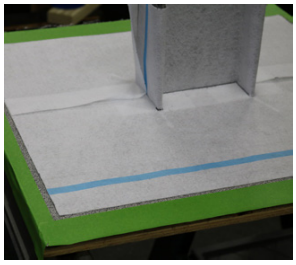
- Metal I-beams and angle iron – Grind all rust and imperfections down to bare metal. Primer is required only if metal will not be covered that same day.
- Concrete, masonry and wood – Primer is always required.
- Duro-Last membranes – Primer is not required.

If required, apply primer to each surface at quantities specified on the primer Product Data Sheet. Allow primer to dry for at least 15 minutes prior to proceeding to Step 2.



Step 2. Precut Fleece and Apply Masking Tape

Precut DL-LAF Fleece skirt flashing and target patch pieces as needed for the penetration. Mark the topside of the fleece and orientation for each piece. Apply masking tape within 1/8 inch of fleece edges on the deck and vertical surfaces. Set aside the fleece.



Step 3. Mix and Measure Field Resin

Mix and pour off the amount of DL-LAF Field Resin needed to complete the penetration flashing.

Step 4. Add Catalyst to Field Resin

Add the required amount of DL-LAF Catalyst to the DL-LAF Field Resin and stir until fully dissolved. Refer to page 3 for Catalyst instructions.

Step 5. Apply Field Resin Basecoat for Skirt Flashing

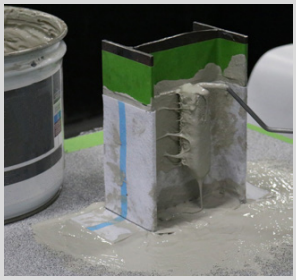
Apply the catalyzed DL-LAF Field Resin with a brush or roller starting with the penetration. Next, apply to the back of the DL-LAF Fleece skirt flashing.

Step 6. Apply Skirt Flashing

Carefully apply the DL-LAF Fleece skirt flashing around the penetration.

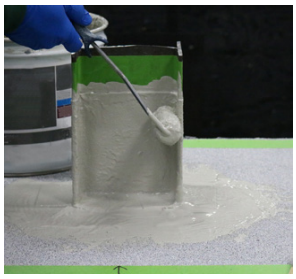
Step 7. Apply Field Resin Topcoat for Skirt Flashing

Apply topcoat of DL-LAF Field Resin over the DL-LAF Fleece skirt flashing, being sure to fully saturate the fleece.



Step 8. Apply Field Resin Basecoat for Target Patch

Once the skirt flashing is complete, apply a uniform basecoat of DL-LAF Field Resin around the base of the penetration.

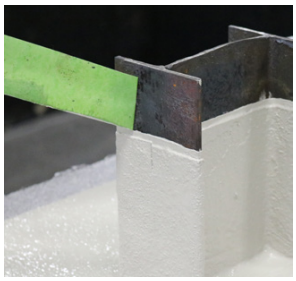


Step 9. Apply Target Patch

Place the DL-LAF Fleece target patch over the DL-LAF Field Resin basecoat and apply a uniform topcoat of DL-LAF Field Resin over the target patch, being sure to fully saturate the fleece.

Step 10. Remove Masking Tape

Check to ensure that the penetration flashing is fully saturated and complete. Remove the masking tape while the DL-LAF Field Resin is still wet.



CLEANUP

- Uncured product may be removed by wiping with warm water, soap and a clean cloth.
- Application equipment should be cleaned immediately after use with warm water, soap and a clean cloth.

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