Notes:

1. The following tables provide recommendations for preparation and priming of substrates and should be used as a guideline for proper adhesion & performance.

2. The primer application rate will vary and should be adjusted depending on the substrate. See Product Data Sheets, SDS, Guide Specifications and Details for complete information regarding the suitability, application and handling of products.

INSPECTION		EPDM	TPO	PVC / KEE HP	METAL SURFACES	MASONRY
A.1	Inspect insulation for wet conditions underneath the roof membrane. Remove & replace wet materials underneath to match in kind.	Y	Y	Y		
A.2	Ensure, membrane or roof assembly is properly secured.	Y	Y	Y		
A.3	Provide additional securement at the base of penetrations, tie–ins or angle changes per details.	Y	Y	Y		
A.4	Ensure, there is no standing water. Remove and dry the work area. Remove dust, debris and wipe the work surfaces clean. Masonry must be completely dry and sound.	Y	Y	Y	Y	Y
A.5	Verify structural integrity of metal objects. Check for broken welds or loose bolts. Verify the thickness of exposed metal after removal of finishes or rust for strength.				Y	
A.6	Ensure, there is no moisture present in the substrate.	Y	Y	Y	Y	Y
A.7	Within the work area, inspect the seams of existing membrane for proper seal.	Y	Y	Y		
A.8	Do not damage structural members, welds or remove any nuts/bolts unless approved by designer.				Y	
CLEANING & SUBSTRATE PREPARATION		**EPDM**	**TPO**	**PVC / KEE HP**	**METAL SURFACES**	**MASONRY**
B.1	Use 60 grit sandpaper to rough up the top surface of the membrane.	Y	Y	Y		
B.2	Use abrasive grinding wheel (a diamond cup wheel is suggested) to expose the bare metal (do not use wire brush). Expose metal around nuts & tighten as needed. Wipe the membrane cleaner.				Y	Y
B.3	Remove dust, clean the surfaces with broom & power blower.	Y	Y	Y	Y	Y
B.4	Wipe the surfaces with VERSICO Membrane Cleaner, (Standard or Low VOC)	Y	Y	Y	Y	
B.5	Use painter's tape to contain flashing resin. Tape shall be set 1/4" to 1/2" (1–1.5cm) beyond the fleece edges.	Y	Y	Y	Y	Y
EXISTING BITUMINUOUS ROOFING SUBSTRATES					**CONCRETE & MASONRY PRIMER**	
C.1	Modified Bitumen Smooth APP Surfaced.	Power wash to remove contaminants.			Y	
C.2	Modified Bitumen Smooth SBS Surfaced.					
C.3	Bituminous Roofing – Granular Surfaced.	Power wash to remove contaminants & loose granules				
C.4	Following bituminous substrates are not acceptable: Aluminum coating, flood coat & aggregate, coal tar pitch roofing – flood coat & aggregate, hot–melt bituminuous waterproofing & ethylene–faced bituminous (bituthane) roofing.					

METAL SUBSTRATES			METAL PRIMER
D.1	Bare aluminum, lead, copper & zinc.	Grind to remove corrosion, then use membrane cleaner to wipe and clean.	Ⓨ
D.2	Bare steel, galvanized steel.		
D.3	Black pipe, cast iron.	Grind to remove corrosion and coating. Then use membrane cleaner to wipe and clean.	Ⓨ
D.4	Stainless steel.	Grind to achieve rough surface. Then use membrane cleaner to wipe and clean.	Ⓨ
D.5	Kynar finish, ceramic coated, and painted metal.	Grind to remove coating. Then use membrane cleaner to wipe and clean.	Ⓨ
CEMENTITIOUS AND MASONRY SUBSTRATES			MASONRY PRIMER
E.1	Structural & or lightweight structural concrete.	Scarify, shot blast or grind to remove laitance and open up pores	Ⓨ
E.2	Granite, Marble.	Scarify, shot blast, grind to remove polished surface and open up pores	Ⓨ
E.3	Clay brick, terra cotta, tile.	Scarify, shot blast, grind to remove glazed surface and open up pores.	Ⓨ
E.4	Sandstone, limestone, synthetic stone.	Scarify, shot blast, grind to open up pores	Ⓨ
E.5	Porous/air–entrained concrete, concrete masonry block.		
E.6	Repair & leveling mortars.		
GLASS & PLASTIC SUBSTRATES			METAL PRIMER
F.1	Glass.	Sand to abrade surface. Then use membrane cleaner to wipe and clean.	Ⓨ
F.2	Acrylic.		
F.3	Fiberglass.		
F.4	ABS, PVC – Rigid.		

Note: Contact VERSICO for substrate not listed in these tables.

CAUTION:
All substrates must be prepared as necessary prior to the application of primers. Surfaces must be free from irregularities, loose, unsound or foreign materials such as rust, dirt, ice, snow, water, grease, oil, release agents, paint, lacquers, coatings, or any other conditions that would be detrimental to adhesion of the primer and resin.

LIQUISEAL PRIMER & RESIN APPLICATION		EPDM	TPO	PVC / KEE HP	METAL SURFACES	MASONRY
G.1	Ensure all surfaces are ready for application of primer prior to mixing, due to limited pot life.	Y	Y		Y	Y
G.2	Mix primer thoroughly, per specifications.	Y	Y		Y	Y
G.3	Apply LIQUISEAL Metal Primer per specifications.	Y			Y	
G.4	Masonry: Apply LIQUISEAL Concrete & Masonry Primer and surfacing sand per specifications.					Y
G.5	Wait for primer to cure per written instructions.	Y			Y	Y
G.6	Apply Low VOC Primer and allow to flash off completely.		Y			
G.7	Cut & dry-fit all fleece prior to mixing resin. Ensure, the fleece is set back from painter's tape, per B.5.	Y	Y	Y	Y	Y
G.8	Mix LIQUISEAL Flashing Resin thoroughly (with spiral agitator if in pail).	Y	Y	Y	Y	Y
G.9	Apply a base layer of LIQUISEAL Flashing Resin ensuring generous coverage of entire substrate.	Y	Y	Y	Y	Y
G.10	Immediately press LIQUISEAL Flashing Fleece into the applied LIQUISEAL Flashing Resin. taking care at corners and crevices.	Y	Y	Y	Y	Y
G.11	Apply a 2nd (top coat) of LIQUISEAL Flashing Resin ensuring the fleece is completely saturated per published coverage rate.	Y	Y	Y	Y	Y