This reference is intended to provide a means for identifying a suitable FRPI Laminate Specification for simple applications based upon resin, surface veil and cure recommendations made by Resin and FRP Equipment Manufacturers, Industry Consultants and FRPI. These generic resin types that make up the basis for FRPI Laminate Specifications were publicly developed by the Engineering Division of the Technical Association of the Pulp and Paper Industry ("TAPPI") Corrosion and Materials Engineering Committee, committee assignment CA-4684. The committee that developed this reference was comprised of Resin and FRP Equipment Manufacturers. These generic resin types agreed upon were first published in a paper titled, "A Guide to the Use of Epoxy, Furan, Polyester and Vinyl Ester Equipment" in TAPPI Engineering Conference Book 1 in September 1989. Each resin manufacturer was recently contacted by FRPI, input was included and resin types updated to reflect industry mergers and acquisitions as well as currently available resins.

CAUTION: This reference **IS NOT** intended to suggest Manufacturer's resins are chemical or functional equivalents to competing brands nor is the listing all inclusive. Extensive testing and documented case histories have proven some resin brands of the same type perform better than others in certain applications. Please contact resin manufacturers for detailed resin performance experience for your specific application prior to final selection.

To use this resin brand to FRPI Laminate Specification reference simply:

- 1. Obtain a resin and surface veil recommendation
- 2. Look up the resin recommended in the table below
- 3. Look across to the FRPI Generic Resin Type and note the category name
- 4. Turn to FRPI Laminate Certification Manual Tab 4 or Publications CD Laminate Specifications table of contents
- 5. Locate the FRPI Generic Resin Type
- 6. Choose Laminate Spec number corresponding with type and number of surface veils recommended

FRPI	RESIN MANUFACTURER BRANDS AND PRODUCT NUMBERS					
	AOC		ASHLAND		INTERPLASTIC	REICHHOLD
GENERIC RESIN TYPE	Vipel®	Aropol®	Derakane ®	Hetron®	CoREZYN®	Dion®
Isophthalic Polyester (rigid)	F701	7241			75-AQ-001, S & W	6631
		7242			75-AQ-010, S & W	
					75-AA-011	
Isophthalic Polyester (resilient)	F737	7334			75-AQ-610	6334
-	F738					
Fire Retardant Halogenated Isophthalic	K733			99P		FR7767
Polyester				92FR		
Chlorendic Acid Polyester	K190			197-3	16-DA-097	797
Bisphenol-A Polyester	F282			700		382 (was Atlac)
						6694
Bisphenol-A Epoxy Vinyl Ester	F010		411	922	8300	9100
						9102
Bis-A Epoxy VE (lower MW)			411C	922L	8100-45	
Bis-A Epoxy VE (higher HDT)	F007		441	942	8360	9160
Bis-A Epoxy VE (higher cross linked)	F080		441	980	8710	9160
					8770	
Bis-A Epoxy VE (higher cross linked,	F083		441	980/35	8360	9160
low VOC)						
Bis-A Epoxy VE (urethane modified)						9800
						(was Atlac 580)
Fire Retardant Brominated	K022-C		510C	FR992	VE8450	FR9300
Bisphenol-A Epoxy Vinyl Ester	K022-CN			992SB	VE8440M-AT	
Fire Retardant Brominated Bis-A	K022-A		510A		VE8440	
Epoxy VE (ASTM E84 Class I no AT)	*****			222		
Fire Retardant Brominated Bis-A	K023			998		
Epoxy VE (higher cross linked)						
Epoxy Novolac Vinyl Ester	F085		470	970	8730	9400
Epoxy Novolac VE (higher HDT)	F086		470HT			
Fire Retardant Brominated Epoxy	K095		510N			
Novolac Vinyl Ester (No AT for K095)						
Furan ("Furfuryl Alcohol")				800		