

Infusion

Product Selector Guide

Introduction

SP's PRIME™ epoxy infusion systems have a 10 year track record, and remain at the forefront of the development of liquid epoxies for "under the bag" infusion processes, such as SCRIMP™, RIFT (resin infusion under flexible tooling), and VARTM (vacuum assisted resin transfer moulding).

Epoxies are stronger and have higher adhesive properties than other commonly used infusion matrices, such as vinylesters and polyesters. Epoxy based systems therefore require less resin to achieve greater physical properties, and their use can lead to lighter and more durable structures.

Our experience with infusion systems gives us a comprehensive understanding of the properties required to make an infusion product useful, therefore our range is made up of products that process robustly, and have optimised wet-out, viscosity, cure, exotherm, and resin fuming properties.

System	Description	Hardener	Speed*	Mix Ratio by weight	Resin availability	Hardener availability	Positive Features	Intended Application
PRIME™ 20LV	2nd generation vacuum infusion system	PRIME™ 20 Slow	4 hrs	100 : 26	28.85kg, 220kg, 1000kg	7.5kg, 20kg, 180kg	Cost, working time; exotherm; low fume	Series build glass components- large size
		PRIME™ 20 Extraslow	8 hrs	100 : 26				
Notes: *Speed = latest vacuum flow time All PRIME™ 2(x) resins use the same hardeners but at different ratios								



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