

KHG fiteBac[®] Technology

Organic Functional Groups and Compatible Resins Guide

		Thermoplastic Resins									Thermosetting Resins							Elastomer-Rubber												
Resin	Functional groups	Polyethylene	Polypropylene	Polystyrene	Acrylic	PVC	Polycarbonate	Nylon	Urethane	PBT / PET	ABS	Melamine	Phenolic	Epoxy	Urethane	Polymide	Diallyl phthalate	Unsaturated polyester	Furan	Polybutadiene Rubber	Polysoprene	Sulfur-crosslinked EPDM	Peroxide crosslinked EPDM	SBR	Nitrile Rubber	Epichlorohydrin Rubber	Neoprene Rubber	Butyl Rubber	Polysulfide	Urethane Rubber
		Epoxy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					+	+	+		+
Methacryloxy		++	++	++	+		+				++						+	++				+	++							
Vinyl		++	++														+	+				+	+							
Amino		+	+	++	++	++	+	++	+	+	+	+	++	++	+	+			++				+	+		+		+	+	+
Isocyanate							+	+	++	+	+	+	+	++	+				+											+
Mercapto		+	+	+		+					+		+	+							+	+	++	+	+	+	+		++	++

++: Very Effective

+: Effective

*Not all fiteBac[®] functional groups are capable of coupling with the resins in question