




GLASS IONOMER REFERENCE GUIDE






Benefits of Glass Ionomers

- Chemical & mechanical bond to tooth structure - no bonding agents needed
 - Continuous and rechargeable fluoride release
 - Works in a moist environment
- Coefficient of thermal expansion same as dentin
 - A very SIMPLE technique


GC Glass Ionomer Crown and Bridge Cements

	PRODUCT	USES	COMPETITION
	GC Fuji PLUS[®] - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Powder/Liquid & Capsules • Stronger than GC Fuji I[®] 	Metal copings, metal crowns/ bridges, metal inlays and onlays, short preps, porcelain inlays, Cerec [†] & eMax [†] restorations	RelyX [†] , Ceramir Crown and Bridge Cement [†]
	GC FujiCEM[™] 2 - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Unique Paste Pak no waste dispensing, also available in Automix delivery • Similar to GC Fuji PLUS[®] 	Same uses as GC Fuji PLUS [®]	RelyX [†] , any Powder/Liquid, Ceramir Crown and Bridge Cement [†]
	GC Fuji I[®] - Glass Ionomer Cement <ul style="list-style-type: none"> • Powder/Liquid & Capsules • Self-cure 	Luting cement - crowns, bridges, inlays, onlays, posts, ortho bands, Cerec [†] & eMax [†] restorations	Ketac Cern [†] , Glaslonomer [†]


GC Glass Ionomer Orthodontic Adhesives

	PRODUCT	USES	COMPETITION
	GC Fuji ORTHO[™] LC - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Powder/Liquid, Capsules & Unique Paste Pak no waste dispensing, also available in automix delivery • Light-cure/Triple-cure (light, chemical & acid based) 	Bonding orthodontic brackets, repairs	Transbond XT [†] , Transbond Plus [†] , Green Gloop [†] , Blue Gloop [†] , Reliance Phase II [†] , Rely-A-Bond [†] , Opal Bond [†]
	GC Fuji ORTHO[™] - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Powder/Liquid • Self-cure 	Bonding orthodontic brackets and appliances, repairs	Transbond XT [†] , Transbond Plus [†] , Green Gloop [†] , Blue Gloop [†] , Reliance Phase II [†] , Rely-A-Bond [†] , Opal Bond [†]
	GC Fuji ORTHO[™] BAND, GC Fuji ORTHO[™] BAND LC Automix - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Self-cure (GC Fuji ORTHO[™] BAND) Light-cure (GC Fuji ORTHO[™] BAND LC Automix) • Blue color for easy clean-up • Unique Paste Pak no waste dispensing 	Bonding orthodontic bands	Optiband Ultra [†] , Transbond Plus [†]


GC Glass Ionomer Bonding Agents

	PRODUCT	USES	COMPETITION
	GC Fuji BOND[™] LC - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Powder/Liquid • Light-cure • Use with GC Cavity Conditioner 	Bonding composites (direct) in Class I, II, III and V restorations	N/A

GC Glass Ionomer Surface Protection and Sealants






	PRODUCT	USES	COMPETITION
	GC Fuji TRIAGE[®] - Glass Ionomer <ul style="list-style-type: none"> • Capsules - Pink or White • Self-cure (pink shade can be command set*) • 7 times the fluoride release of any GI Restorative 	Pit and fissure sealant and protection for newly erupted molars, temporary access cavity sealing, interim restorations rampant caries, liner for high risk patients, treatment for non-carious hypersensitive areas	All resin sealants (GC Fuji TRIAGE [®] is in its own class)




GC Glass Ionomer Provisional and Implant Cement






	PRODUCT	USES	COMPETITION
	GC Fuji TEMP LT[™] - Glass Ionomer <ul style="list-style-type: none"> • Unique Paste Pak no waste dispensing • Self-cure • Highest fluoride release of any GI 	Provisional restorations and implants	None, it's the first of its kind



The World Leader in Glass Ionomers

GC Glass Ionomer Restorative Materials			
	PRODUCT	USES	COMPETITION
	EQUIA™ - Bulk Filled Aesthetic Posterior Glass Ionomer Restorative System <ul style="list-style-type: none"> • Capsule and bottle system • EQUIA™ Fil: self-cure, EQUIA™ Coat: light-cure 	Class I, Class II, Class V, amalgam/composite/compomer alternative for pediatric or geriatric, core build-up (stronger than Miracle Mix®), quick fix, interim restorations, long-term temporary	Amalgam, composites, compomers, other glass ionomers - Ketac Fil†, Photac Fil†, Vitremer†, ChemFil Rock†, Ionolux AC†, Biodentine† (not a GI or RRGi, but has some similar indications), flowable composites
	GC Fuji II LC® - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Capsules or Powder/Liquid • Triple-cure (light, chemical & acid based) • Use with GC Cavity Conditioner (20% Polyacrylic Acid) • 10 Vita®† Shades 	Cervical erosions, Class V, Class I and II Pedo, base/liner, core build-up, non-load bearing Class II	Ketac Fil†, Photac Fil†, Vitremer†, ChemFil Rock†, Ionolux AC†, Biodentine† (not a GI or RRGi, but has some similar indications), flowable composites
	GC Fuji Filling™ LC - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Unique Paste Pak no waste dispensing • Use with GC Self Conditioner (no rinse!) • Superior esthetics (higher translucency) - 5 Vita®† shades + Blue • Higher fluoride release 	Base or liner, Sandwich Technique, Class I, Class III, Class V pedo, core build-up, non-load bearing Class II	Vitremer†
	GC Fuji IX GP®, GC Fuji IX GP® FAST, GC Fuji IX GP® EXTRA, - Packable Glass Ionomer <ul style="list-style-type: none"> • Powder/Liquid (GC Fuji IX™ GP only) • Capsules • Self-cure 	Amalgam/composite/compomer alternative for pediatric or geriatric, core build-up (stronger than Miracle Mix®), quick fix, interim restorations, long-term temporary	Amalgam, composites, compomers, other glass ionomers - Ketac Fil†, Photac Fil†, Vitremer†, ChemFil Rock†, Ionolux AC†, Biodentine† (not a GI or RRGi, but has some similar indications), flowable composites
	GC Fuji TRIAGE® - Glass Ionomer <ul style="list-style-type: none"> • Capsules - Pink or White • Self-cure (pink shade can be command set*) • 7 times the fluoride release of any GI Restorative 	Pit and fissure sealant and protection for newly erupted molars, temporary endo sealing, interim restorations rampant caries, liner for high risk patients, treatment for non-carious hypersensitive areas	All resin sealants (GC Fuji TRIAGE® is in its own class)

GC Glass Ionomer Core Build-Up Materials			
	PRODUCT	USES	COMPETITION
	Miracle Mix® - Alloy Reinforced Glass Ionomer <ul style="list-style-type: none"> • Powder/Liquid & Capsules • Self-cure 	Core build-up	Composites, Ketac Silver†
	GC Fuji II LC® CORE - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Powder/Liquid • Blue shade • Triple-cure 	Core build-up	Composites, Vitremer†
	GC Fuji IX™ GP®, GC Fuji IX GP® FAST, GC Fuji IX GP® EXTRA - Packable Glass Ionomer <ul style="list-style-type: none"> * See Restorative Materials 	* See Restorative Materials	* See Restorative Materials

GC Glass Ionomer Base and Liner Materials			
	PRODUCT	USES	COMPETITION
	GC Fuji II LC® - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> * See Final Restorative Materials 	Base or liner	Vitrebond†, Biodentine† (not a GI or RRGi, but has some similar indications)
	GC Fuji IX™ GP®, GC Fuji IX GP® FAST, GC Fuji IX GP® EXTRA - Packable Glass Ionomer Cement <ul style="list-style-type: none"> * See Final Restorative Materials 	Base or liner	Vitrebond†, Biodentine† (not a GI or RRGi, but has some similar indications)
	GC Fuji LINING™ LC - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> • Unique Paste Pak no waste dispensing or Powder/Liquid • Light-cure 	Base or liner	Vitrebond†, Biodentine† (not a GI or RRGi, but has some similar indications)
	LINING CEMENT - Glass Ionomer Cement <ul style="list-style-type: none"> • Powder/Liquid • Self-cure 	Liner	Vitrebond†, Biodentine† (not a GI or RRGi, but has some similar indications)
	GC Fuji Filling™ LC - Resin Reinforced Glass Ionomer <ul style="list-style-type: none"> * See Final Restorative Materials 	* See Final Restorative Materials	Vitremer†, Vitrebond†, Biodentine† (not a GI or RRGi, but has some similar indications)

† Not a registered trademark of GC America Inc.
 * See instructions.
 Reference available upon request.

