Shield Force® Plus VS GLUMA® Desensitizer*

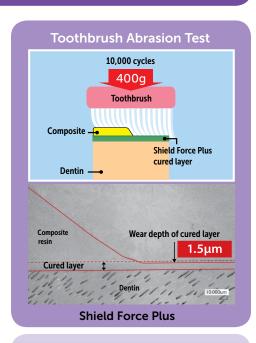
SHIELD FORCE PLUS Composition Resin-based Phosphoric acid monomer Bis-GMA Glutaral Glutaral Glutaral Glutaral Glutaral Glutaral Glut		Tokuyama		
Phosphoric acid monomer Bis-GMA Glutaral 3G (TEGDMA) HEMA Alcohol Water Camphorquinone FEATURES & BENEFITS Expected Long-Term Pain Relief Solution Color Shelf Life 2 Years Perigeration Needed Yes No INDICATIONS Under Crowns Bridges Yes Yes Inlays and Onlays Yes Yes Veneers Provisionals Yes Yes Yes Under Direct Restorations Yes Yes Exposed Dentin Surface Gingival Recession Yes Apply Apply 10 seconds Pisseconds Rinse - Physophoric acid monomer 2-hydroxyethyl methacrylate Glutaral 3G (TEGDMA) P Months 2 Years P Months 2 Years P Yes				WINNER
monomer Bis-GMA Glutaral 3G (TEGDMA) HEMA Alcohol Water Camphorquinone FEATURES & BENEFITS Expected Long-Term Pain Relief Solution Color Green Clear Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Yes Bridges Yes Yes Inlays and Onlays Yes Yes Yes Provisionals Yes Yes Yes Under Direct Restorations Yes Yes Yes Cervical Erosions Yes Yes Yes APPLICATION PROCESS Isolate with Dental Dam Apply 10 seconds Rinse - #10 seconds	Composition	Resin-based	Glutaraldehyde	
## A Control HEMA Alcohol Water Camphorquinone FEATURES & BENEFITS FEATURES & BENEFITS			2-hydroxyethyl methacrylate	
HEMA Alcohol Water Camphorquinone FEATURES & BENEFITS Expected Long-Term Pain Relief Solution Color Green Clear Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Yes Provisionals Yes Yes Yes Provisionals Yes Yes Yes Under Direct Restorations Cervical Erosions Yes Yes Yes Exposed Dentin Surface Gingival Recession Yes Yes APPLICATION PROCESS Isolate with Dental Dam Apply 10 seconds Pinne Power of the Material Seconds Rinse ≈ 10 seconds ≈ 10 seconds ≈ 10 seconds ≈ 10 seconds		Bis-GMA	Glutaral	
Alcohol Water Camphorquinone FEATURES & BENEFITS Expected Long-Term Pain Relief Solution Color Green Clear Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Provisionals Ves Veneers Yes Yes Veneers Yes Ves Under Direct Restorations Exposed Dentin Surface Gingival Recession Yes Yes Yes APPLICATION PROCESS Isolate with Dental Dam Apply 10 seconds Parent Agent		3G (TEGDMA)		
Water Camphorquinone FEATURES & BENEFITS Expected Long-Term Pain Relief Solution Color Green Clear Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Yes Yes Provisionals Yes Yes Yes Veneers Yes Yes Yes Vender Direct Restorations Yes Yes Yes Exposed Dentin Surface Gingival Recession Yes Apply 10 seconds Pives Provisionals Provisional Prov		HEMA		
Camphorquinone FEATURES & BENEFITS Expected Long-Term Pain Relief Solution Color Green Clear Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Pridges Frovisionals Ves Provisionals Ves Veneers Provisionals Ves Ves Ves Under Direct Restorations Yes Exposed Dentin Surface Gingival Recession Yes Apply Apply 10 seconds Pinder Provisionals Pes Apoly 10 seconds Pinder Pomonthis Pomonth		Alcohol		
Expected Long-Term Pain Relief Solution Color Shelf Life Refrigeration Needed Yes No INDICATIONS Under Crowns Bridges Yes Yes Yes Yes Inlays and Onlays Yes Yes Provisionals Yes Yes Yes Under Direct Restorations Exposed Dentin Surface Gingival Recession Apply Apply Apply 10 seconds Rinse - Shelf Life 3 Years***** 9 Months 2 Years Po Months 7 Year 9 Months 10 Seconds 9 Months 9 Months 10 Seconds 9 Months 9 Prears 9 Months 9 Months 9 Prears 9 Months 9 Months 9 Prears 9 Prears No No No 10 Seconds 9 Months 9 Months 10 Seconds 9 Months 10 Seconds 9 Months 10 Seconds 10 Seconds 10 Seconds 10 Seconds 10 Seconds		Water		
Expected Long-Term Pain Relief Solution Color Green Clear Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Bridges Yes Yes Inlays and Onlays Yes Yes Yes Yes Provisionals Yes Yes Yes Under Direct Restorations Exposed Dentin Surface Gingival Recession Yes Yes Apply Apply 10 seconds Rinse - ≈ 10 seconds Clear 2 Years 9 Months Clear Clear Clear Clear 2 Years 2 Years No No No No No No No No No N		Camphorquinone		
Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Yes Yes Yes Yes Inlays and Onlays Yes Yes Yes Yes Yes Yes Provisionals Yes Yes Yes Under Direct Restorations Yes Yes Yes Cervical Erosions Yes Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS Isolate with Dental Dam Apply Apply 10 seconds Provisionals Yes A 10 seconds * 10 seconds	FEATURES & BENEFITS			
Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Yes Yes Yes Yes Inlays and Onlays Yes Yes Yes Yes Yes Yes Provisionals Yes Yes Yes Under Direct Restorations Yes Yes Yes Cervical Erosions Yes Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS Isolate with Dental Dam Apply Apply 10 seconds Provisionals Yes A 10 seconds * 10 seconds	Expected Long-Term Pain Relief	3 Years***	9 Months	
Shelf Life 2 Years 2 Years Refrigeration Needed Yes No INDICATIONS Under Crowns Yes Yes Yes Yes Inlays and Onlays Yes Yes Yes Yes Yes Yes Provisionals Yes Yes Yes Under Direct Restorations Yes Yes Yes Cervical Erosions Yes Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS Isolate with Dental Dam Apply Apply 10 seconds Provisionals Yes A 10 seconds * 10 seconds	Solution Color	Green	Clear	
Under Crowns Bridges Yes Yes Yes Yes Inlays and Onlays Yes Yes Yes Yes Yes Yes Yes Y	Shelf Life	2 Years	2 Years	
Under Crowns Yes Yes Bridges Yes Yes Inlays and Onlays Yes Yes Veneers Yes Yes Provisionals Yes Yes Under Direct Restorations Yes Yes Cervical Erosions Yes Yes Exposed Dentin Surface Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Isolate with Dental Dam Optional Yes Apply 10 seconds 40 seconds Dry 10 seconds ≈ 10 seconds Rinse - ≈ 10 seconds	Refrigeration Needed	Yes	No	
Bridges Inlays and Onlays Yes Yes Yes Yes Yes Yes Yes Provisionals Yes Yes Under Direct Restorations Yes Yes Yes Cervical Erosions Yes Exposed Dentin Surface Yes Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS Isolate with Dental Dam Apply 10 seconds Pry 10 seconds ≈ 10 seconds Rinse ≈ 10 seconds	INDICATIONS			
Inlays and Onlays Yes Yes Veneers Yes Yes Provisionals Yes Yes Under Direct Restorations Yes Yes Cervical Erosions Yes Yes Exposed Dentin Surface Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Isolate with Dental Dam Optional Yes Apply 10 seconds 40 seconds Dry 10 seconds ≈ 10 seconds Rinse - ≈ 10 seconds	Under Crowns	Yes	Yes	
Veneers Yes Yes Provisionals Yes Yes Under Direct Restorations Yes Yes Cervical Erosions Yes Yes Exposed Dentin Surface Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Isolate with Dental Dam Optional Yes Apply 10 seconds 40 seconds Dry 10 seconds ≈ 10 seconds Rinse - ≈ 10 seconds	Bridges	Yes	Yes	
Provisionals Yes Yes Under Direct Restorations Yes Yes Cervical Erosions Yes Yes Exposed Dentin Surface Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Isolate with Dental Dam Optional Yes Apply 10 seconds 40 seconds Dry 10 seconds ≈ 10 seconds Rinse - ≈ 10 seconds	Inlays and Onlays	Yes	Yes	
Under Direct Restorations Yes Yes Cervical Erosions Yes Yes Exposed Dentin Surface Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Isolate with Dental Dam Optional Yes Apply 10 seconds 40 seconds Dry 10 seconds ≈ 10 seconds Rinse - ≈ 10 seconds	Veneers	Yes	Yes	
Cervical Erosions Yes Yes Exposed Dentin Surface Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Isolate with Dental Dam Optional Yes Apply 10 seconds 40 seconds Dry 10 seconds ≈ 10 seconds Rinse - ≈ 10 seconds	Provisionals	Yes	Yes	
Exposed Dentin Surface Yes Yes Gingival Recession Yes Yes APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Isolate with Dental Dam Optional Yes Apply 10 seconds 40 seconds Dry 10 seconds ≈ 10 seconds Rinse - ≈ 10 seconds	Under Direct Restorations	Yes	Yes	
Gingival Recession Yes Yes APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Isolate with Dental Dam Optional Yes Apply 10 seconds 40 seconds Dry 10 seconds ≈ 10 seconds Rinse - ≈ 10 seconds	Cervical Erosions	Yes	Yes	
APPLICATION PROCESS 30 Seconds ≈ 65 Seconds Ves Apply 10 seconds Dry 10 seconds ≈ 10 seconds ≈ 10 seconds ≈ 10 seconds	Exposed Dentin Surface	Yes	Yes	
Isolate with Dental DamOptionalYesApply 10 seconds 40 seconds Dry 10 seconds $\approx 10 \text{ seconds}$ Rinse- $\approx 10 \text{ seconds}$	Gingival Recession	Yes	Yes	
Apply 10 seconds 40 seconds Dry 10 seconds \approx 10 seconds Rinse - \approx 10 seconds	APPLICATION PROCESS	30 Seconds	≈ 65 Seconds	
Dry 10 seconds \approx 10 seconds Rinse - \approx 10 seconds	Isolate with Dental Dam	Optional	Yes	
Rinse - ≈ 10 seconds	Apply	10 seconds	40 seconds	
	Dry	10 seconds	≈ 10 seconds	
Cure 10 seconds	Rinse	-	≈ 10 seconds	
23.33.3.00	Cure	10 seconds		



^{**} In-house data, R&D, Tokuyama Dental Corporation.

^{****}Results may vary based on patient diet, proper oral care, and conformance to product directions. Wear data tested in vitro.





Superior long-term results

Shield Force Plus provides longer-lasting desensitization.

Sealing of dentinal tubules and durability:

- A layer of Shield Force Plus remains on the dentin surface.
- Other products have worn out and exposed dentinal tubules.



10,000 thermal

cycles

Initial placement





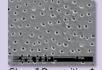


SuperSeal®

SuperSeal®









^{***}Based on Henry Schein pricing.

Shield Force® Plus ∨s Vanish™ XT®

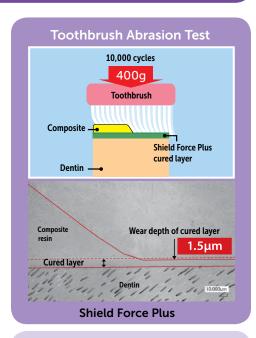
	Tokuyama	3M*	
	SHIELD FORCE PLUS	VANISH XT	WINNER
Composition	Resin-based	RMGI-based	
	Phosphoric acid monomer	Copolymer of acrylic and itaconic, acids	
	Bis-GMA	Water	
	3G (TEGDMA)	2-Hydroxyethyl Methacrylate (HEMA)	
	HEMA	Calcium Glycerophosphate	
	Alcohol		
	Water		
	Camphorquinone		
FEATURES & BENEFITS			
Expected Long-Term Pain Relief	3 Years***	6 Months	6
Solution Color	Green		
Shelf Life	2 Years	2 Years	
Refrigeration Needed	Yes	No	,
Delivery System	Bottle	Paste/Liquid Mix Clicker	
INDICATIONS			
Under Crowns	Yes		
Bridges	Yes		
Inlays and Onlays	Yes		
Veneers	Yes		
Provisionals	Yes		
Under Direct Restorations	Yes		
Cervical Erosions	Yes	Yes	
Exposed Dentin Surface	Yes	Yes	
Gingival Recession	Yes	Yes	
APPLICATION PROCESS	30 Seconds	≈ 45 Seconds	O
Isolate with Dental Dam	Optional	Optional	
Etch Tooth	Not needed	15 seconds for enamel surface	O
Apply	10 seconds	5 seconds	
Dry	10 seconds	-	
Rinse	-	-	
Cure	10 seconds	20 seconds	6
Wipe	-	5 seconds	0



^{**} In-house data, R&D, Tokuyama Dental Corporation.

^{****}Results may vary based on patient diet, proper oral care, and conformance to product directions. Wear data tested in vitro.



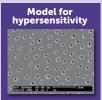


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