



Best Provisional Cements: Solutions for a Temporary Problem

Additional Information on Provisional Cements 2021

In a recent survey (n=704), clinicians identified over 50 different materials used as provisional cements. These data indicate that clinical success is possible with numerous different brands and chemistries, depending on clinician preferences.

The following table shows the 15 brands reported as most used. To help illustrate current trends, results are included from a 2011 CR comparison of provisional cements.

Brand Company	Percent Users from Survey	Chemistry	Example Cost	Cure Mechanism	Mix Options	Results from 2011 Comparison
Temp-Bond Kerr	35.3%	Zinc oxide eugenol	\$121/Two syringes	Auto-cure	Auto-mix syringe or unidose, hand-mix tubes	Excellent CR Choice
Temp-Bond NE Kerr	28.7%	Zinc oxide non-eugenol	\$121/Two syringes	Auto-cure	Auto-mix syringe or unidose, hand-mix tubes	Good
Durelon 3M	11.8%	Carboxylate	\$162/Kit	Auto-cure	Hand-mix powder/liquid, triturated capsule	Excellent-Good
Temp-Bond Clear with Triclosan Kerr	10.2%	Resin	\$91/Syringe	Dual-cure	Auto-mix syringe	Excellent-Good
IRM Denstply Sirona	10.0%	Zinc oxide eugenol, polymer reinforced	\$118/Kit	Auto-cure	Hand-mix powder/liquid, triturated capsule	Excellent-Good
RelyX Temp NE 3M	7.8%	Zinc oxide non-eugenol	\$58/Kit	Auto-cure	Hand-mix tubes	Excellent-Good
Integrity TempGrip Denstply Sirona	6.5%	Zinc oxide non-eugenol	\$136/Two syringes	Auto-cure	Auto-mix syringe	Good
Zone Pentron	5.5%	Zinc oxide non-eugenol	\$54/Syringe	Auto-cure	Auto-mix syringe or unidose, hand-mix tubes	Good
Cling ² Clinician's Choice	5.3%	Zinc oxide non-eugenol, polycarboxylate	\$85/Syringe	Auto-cure	Auto-mix syringe	Good
Fynal Dentsply Sirona	5.0%	Zinc oxide eugenol	\$210/Kit	Auto-cure	Hand-mix powder/liquid	Excellent-Good
NexTemp Premier Dental	4.3%	Resin	\$45/Syringe	Auto-cure	Auto-mix syringe	Excellent CR Choice
GC TEMP ADVANTAGE GC America	3.5%	Zinc oxide non-eugenol	\$60/Syringe	Auto-cure	Auto-mix syringe	Excellent-Good
ClearTemp LC Ultradent	2.4%	Resin	\$37/Four Syringes	Light-cure	Syringe	Not evaluated in 2011
Telio Link Ivocalr Vivadent	2.4%	Zinc oxide non-eugenol, resin-modified	\$127/Syringe	Dual-cure	Auto-mix syringe	Not evaluated in 2011
Temrex Cement Temrex	2.2%	Zinc oxide eugenol	\$45/25 g powder, 1 oz liquid	Auto-cure	Hand-mix powder/liquid	Not evaluated in 2011

- The Temp-Bond product line by Kerr continues to dominate the provisional cement market.
- Zinc-oxide chemistry continues to be most popular, with both eugenol and non-eugenol formulations.
- Resin-based and resin-modified provisional cements are increasing in number and popularity, with formulations designed to provide advantageous material properties, including: handling, strength, chemical adhesion, esthetics, light or dual-cure options, etc.

Additional Product Brands Reported in Use (in order of frequency)

TempoCem (DMG)	Zinc Oxide Eugenol (Henry Schein)	DentoTemp (Itena)	Premier Implant Cement (Premier Dental)
TempoCemNE (DMG)	EXACTA Cement Xtra (EXACTA)	Durelon (3M) mixed with Vaseline	Provicol QM Aesthetic (Voco)
E.T.C. (Parkell)	GC Fuji Temp LT (GC America)	Embonte (Pentron)	TempoLok NE (Sterngold)
RelyX Temp E (3M)	NOGENOL (GC America)	Flowable resin (various companies)	Temporary Cement Automix NE (Darby)
Provicol QM (Voco)	NoMIX (Centrix)	FREEGENOL (GC America)	Temporary Cement (Burkhart)
UltraTemp (Ultradent)	TempoCemID (DMG)	Harvard Cement (Harvard)	TransTemp (Denttaco)
SensiTemp (Sultan Healthcare)	TempoSIL 2 (Coltene Whaledent)	Master-Dent Temporary Cement (Dentonics)	TyLok Plus (Dentsply)
HY-Bond (Shofu)	ZOE B&T (Dentsply Sirona)	PowerTemp (Morita)	Vivid TempCem NE (Pearson)
Olympian-M (Dent Zar)	Bifix Temp (Voco)		
Dycal (Dentsply Sirona)			