
Selecting the Right Temporary Cement

Temrex Corporation

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Selecting the Right Temporary Cement

- With today's modern adhesive dentistry, one requires at least two different temporary cements to meet your patient's needs.
- We recommend a very adhesive temporary cement such as TNE in those situations where the preparation is short or there is heavy occlusal loading.
- In situations where there is a single crown with a long tall preparation, a temporary cement with moderate adhesion such as Temrex CR Temporary Cement.

Temrex Cement

Temrex has a wide range of temporary cements for a range of clinical situations

- TNE
- Temrex Cement
- ZINROC
- Temrex CR
- ZOE Plus

Temrex Temporary Cements

	Characteristics	Retention
TNE	Non-eugenol paste-paste Resin based Automix	+++++
Temrex Cement	ZOE powder liquid Can use as base or liner	++++
Zinroc	ZOE with polystyrene Powder liquid system	++++
Temrex CR	Non-Eugenol Paste-paste automix	+++
Temrex CR Plus	Zinc Oxide - Eugenol Paste-paste automix	+++
ZOE Plus	ZOE paste-paste	++

TNE Temporary Cement

**10,000 psi
compressive
strength!**



**2,000 psi
diametral strength!**

- A strong temporary non-eugenol cement.
- Compatible with all permanent cements and core build up materials.
- Fast, easy clean up.

TNE in Dual Syringe

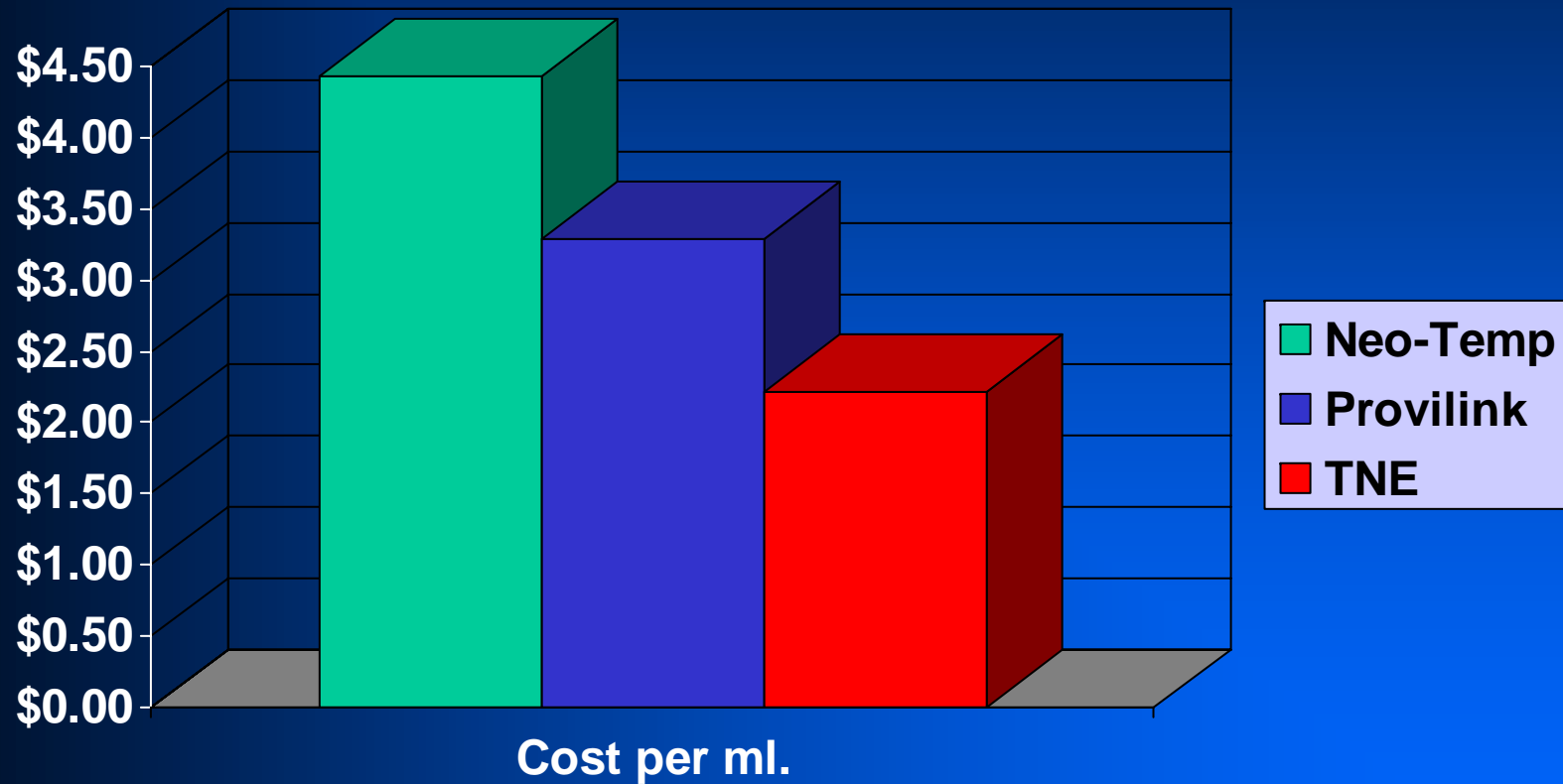


**Convenient Auto Mix Syringe.
Easily dispenses directly into the prosthesis**

TNE Physical Properties

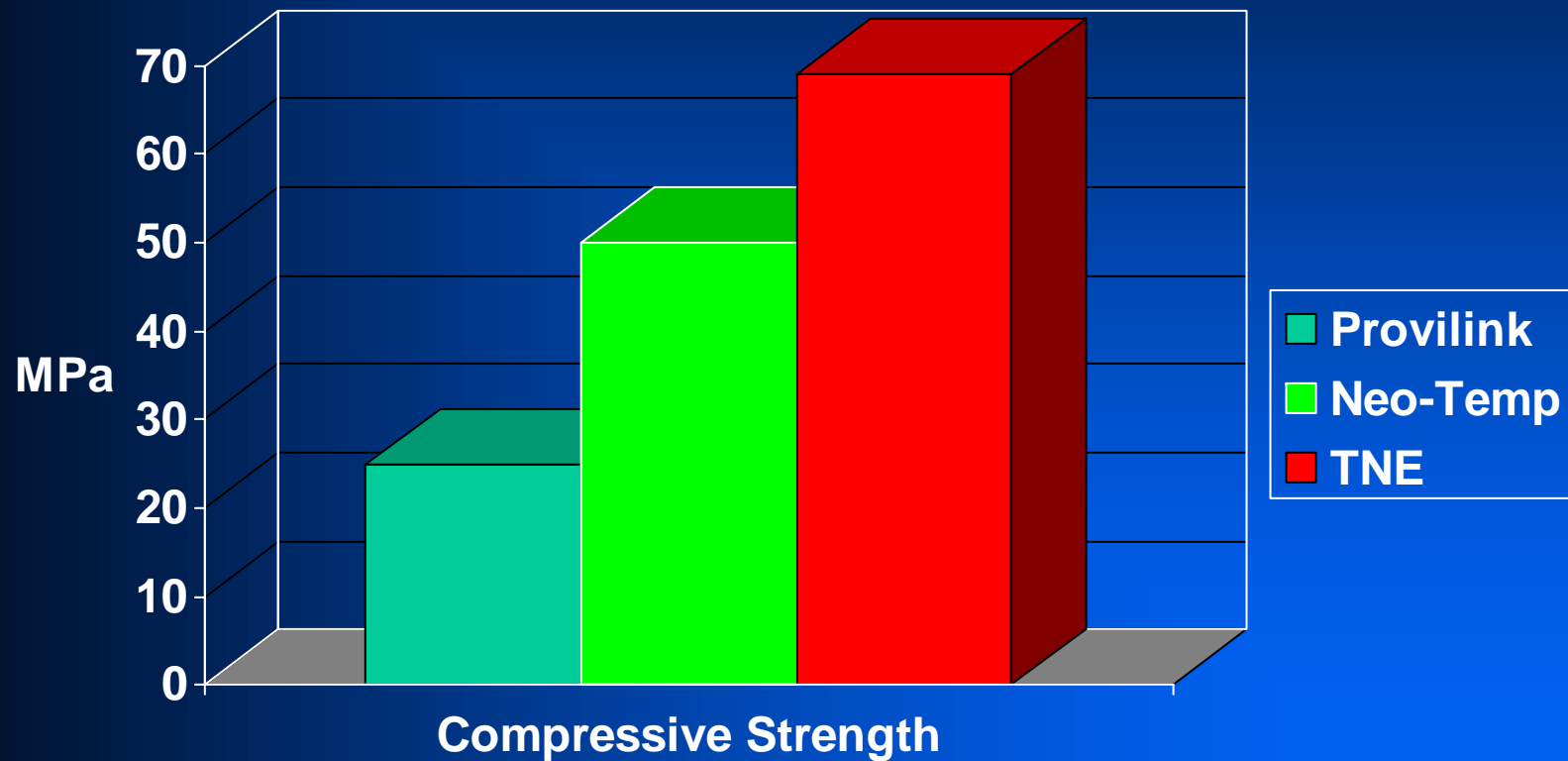
- Compressive Strength 66.0 Mpa
- Diametral Tensile Strength 19.1 Mpa
- Modulus of Elasticity in Compression 1.9 GPa
- Barcol Hardness after cure 40 - 42
- Dentin shade & Radiopaque
 - **These properties will ensure that the prosthesis will stay in place until the next appointment.**

TNE Cost



The Dental Advisor 1995, Volume 12, # 3

TNE Compressive Strength



The Dental Advisor 1995, Volume 12, # 3

Temrex Cement

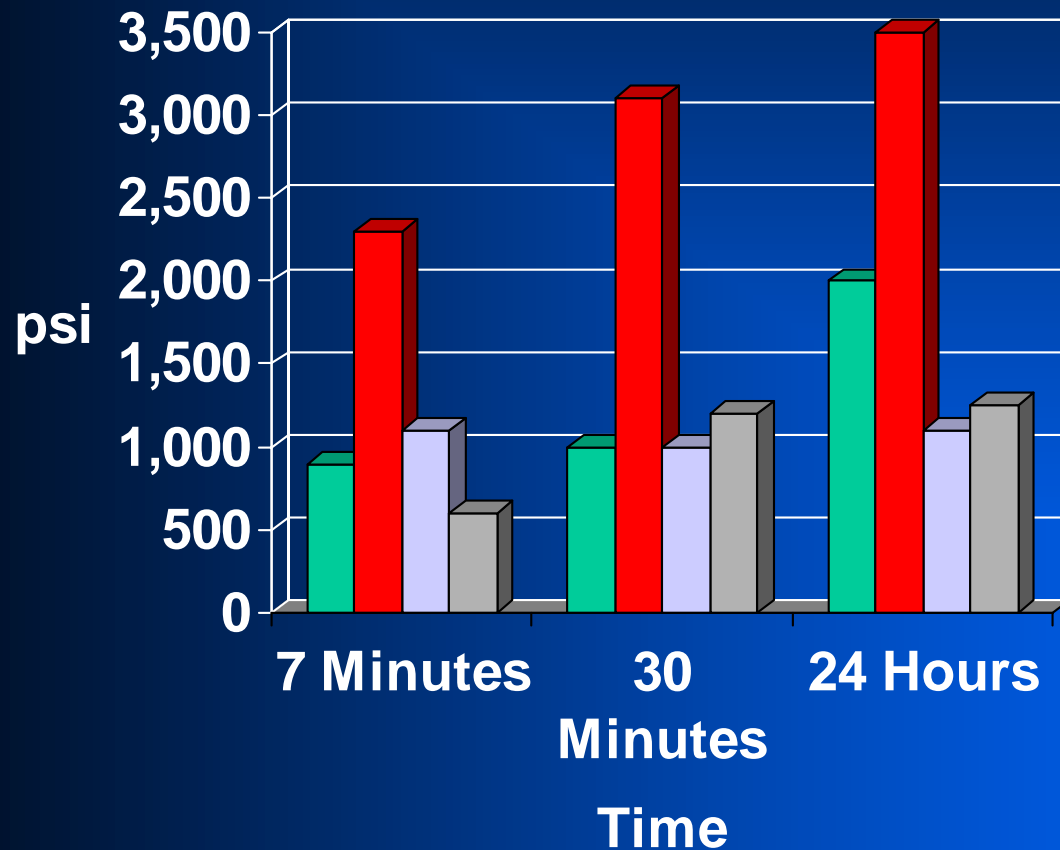


- A strong eugenol based temporary cement.
- Has anti-microbial properties
- Powder- Liquid system.
- Range of properties by varying powder -liquid ratio

Temrex Cement Physical Properties

- Compressive strength of 4,100 psi.
- Knoop hardness of 15.
- Achieves a very high compressive strength (3,500 psi) soon after mixing so it is an ideal base under amalgams etc.
- Tensile strength of 210 psi. It is one of the highest tensile strengths of ZOE cements.

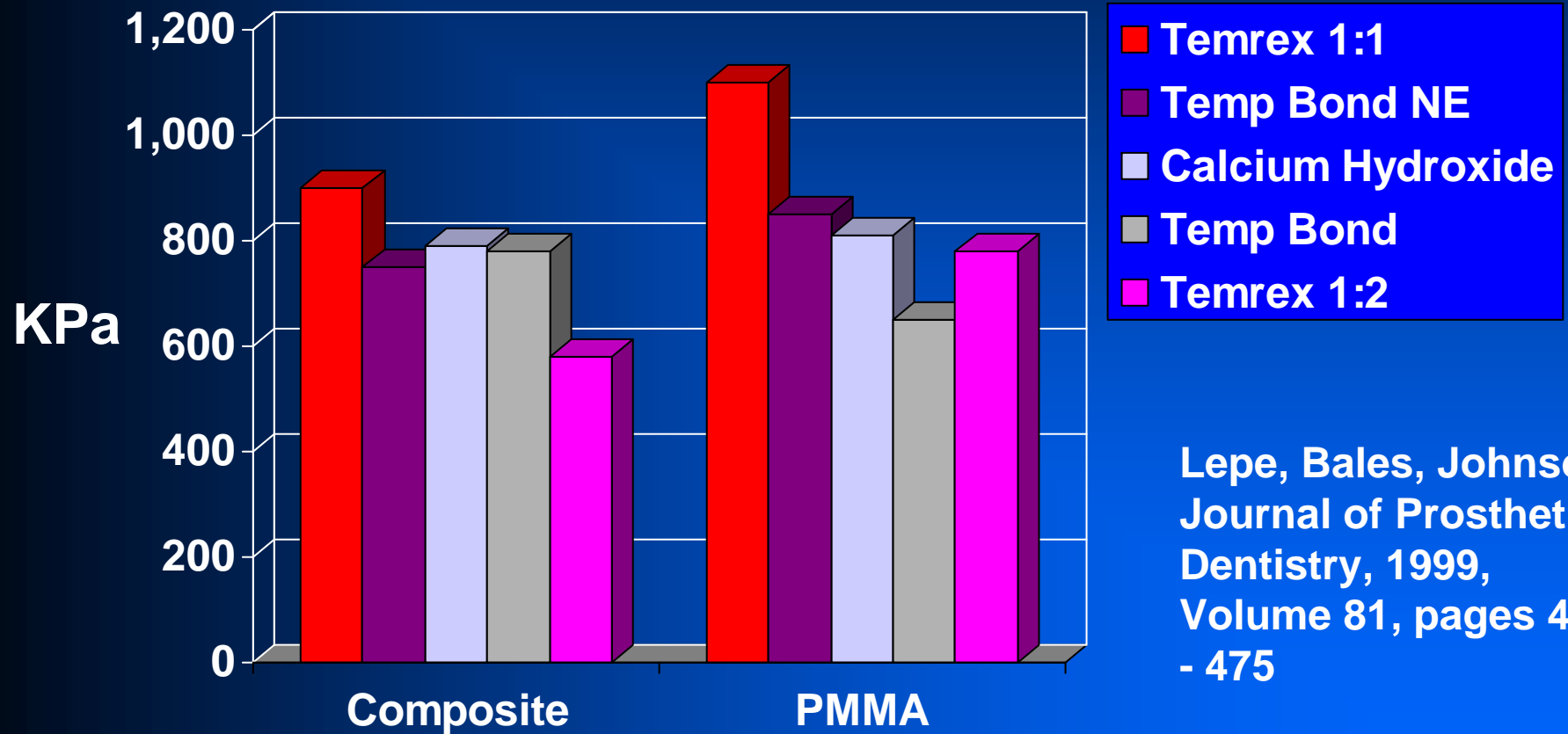
Temrex Cement Compressive Strength



- Caulk Temporary Cement
- Temrex Cement
- Dycal
- ZOE & Zinc acetate

Oldham, Swartz, Philips,
Journal of Prosthetic
Dentistry, 1964, Volume
14 pages 760 - 768

Temrex Cement Retention of Temporary Crowns



Lepe, Bales, Johnson,
Journal of Prosthetic
Dentistry, 1999,
Volume 81, pages 469
- 475

Temrex CR

- Non-eugenol cement base containing zinc oxide and a unique catalyst.
- No pulpal irritation and good biocompatibility.
- Very fast initial set; just over 1 minute.
- Will not inhibit the setting reaction of resin based permanent cements and restorative materials.
- Self mixing syringe and tips.
- Can be dispensed directly into the prosthesis
- Will not stain acrylic temporary materials.
- Odourless, dentin coloured cement.

Temrex CR

Compressive Strength 35 Mpa

Film thickness 15 microns

Solubility in oral fluids <2.5%

Working Time 70 seconds

Setting Time 5 minutes



Temrex CR Plus

- Zinc oxide – eugenol temporary cement
- Very fast initial set; just over 1 minute.
- May inhibit the setting reaction of resin based permanent cements and restorative materials.
- Self mixing syringe and tips.
- Can be dispensed directly into the prosthesis
- Will not stain acrylic temporary materials.
- Dentin coloured cement.



Temrex CR Plus

Compressive Strength 35 Mpa

Film thickness 15 microns

Solubility in oral fluids <1%

Working Time 90 seconds

Setting Time 5 minutes



ZOE PLUS



- ZOE temporary cement containing calcium hydroxide.
- Excellent flow for easy seating of the prosthesis.
- Buffered to be more compatible with composites.
- Minimal solubility in oral fluids.

Temrex Temporary Cements

- Understand the clinical situation
- Select the right cement
- Cement your crown with confidence.

Product Information

- **Temrex Temporary Cements:**

- TNE
- Temrex Cement
- ZINROC
- Temrex CR
- Temrex CR Plus
- ZOE Plus

- **Temrex Corporation**

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