Selecting the Right Temporary Cement

Temrex Corporation

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 polystrene Powder liquid system	++++
Temrex CR	Non-Eugenol Paste-paste automix	+++
ZOE Plus	ZOE paste-paste	++

TNE Temporary Cement

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

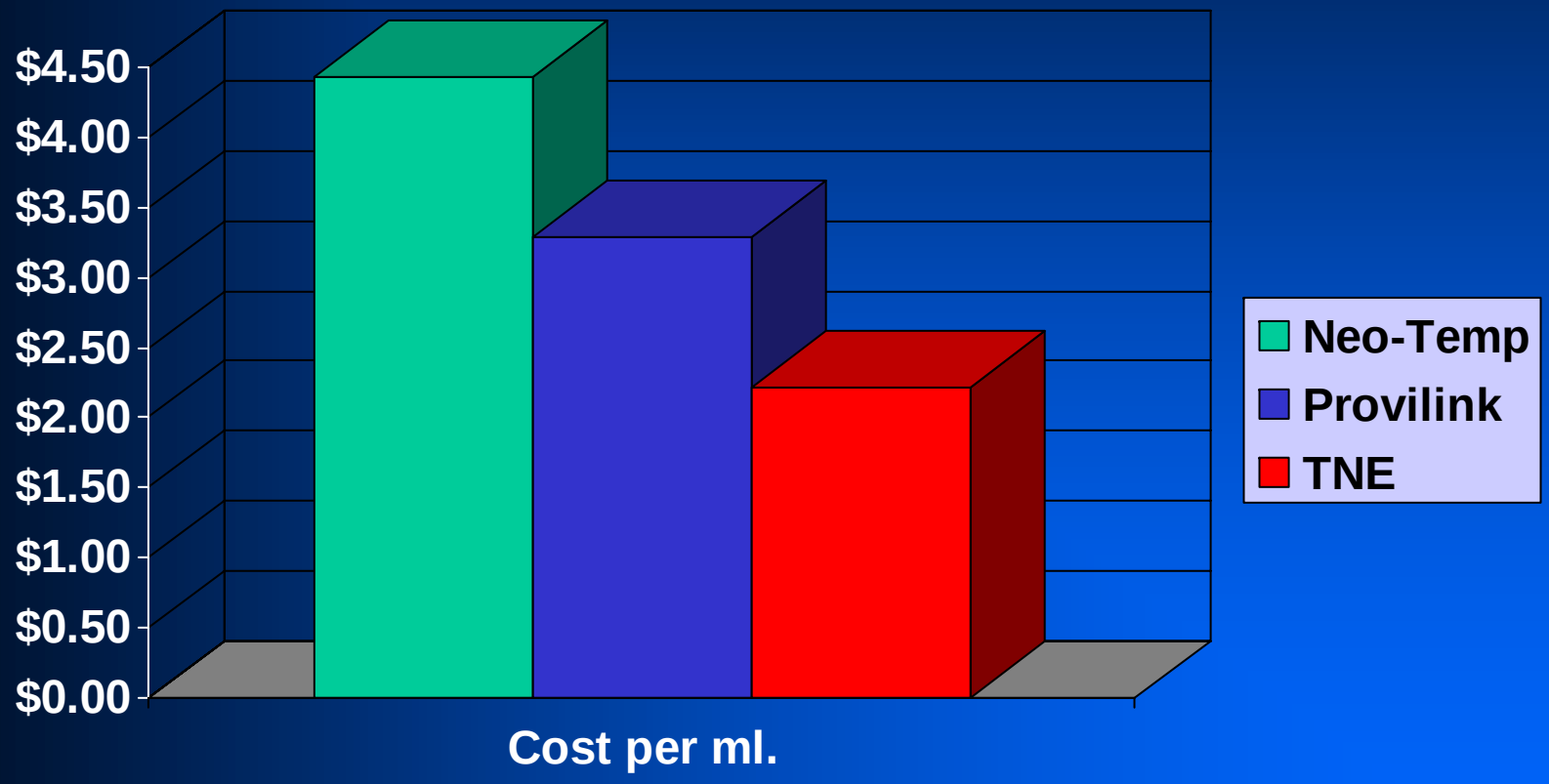
TNE in Dual Syringe

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



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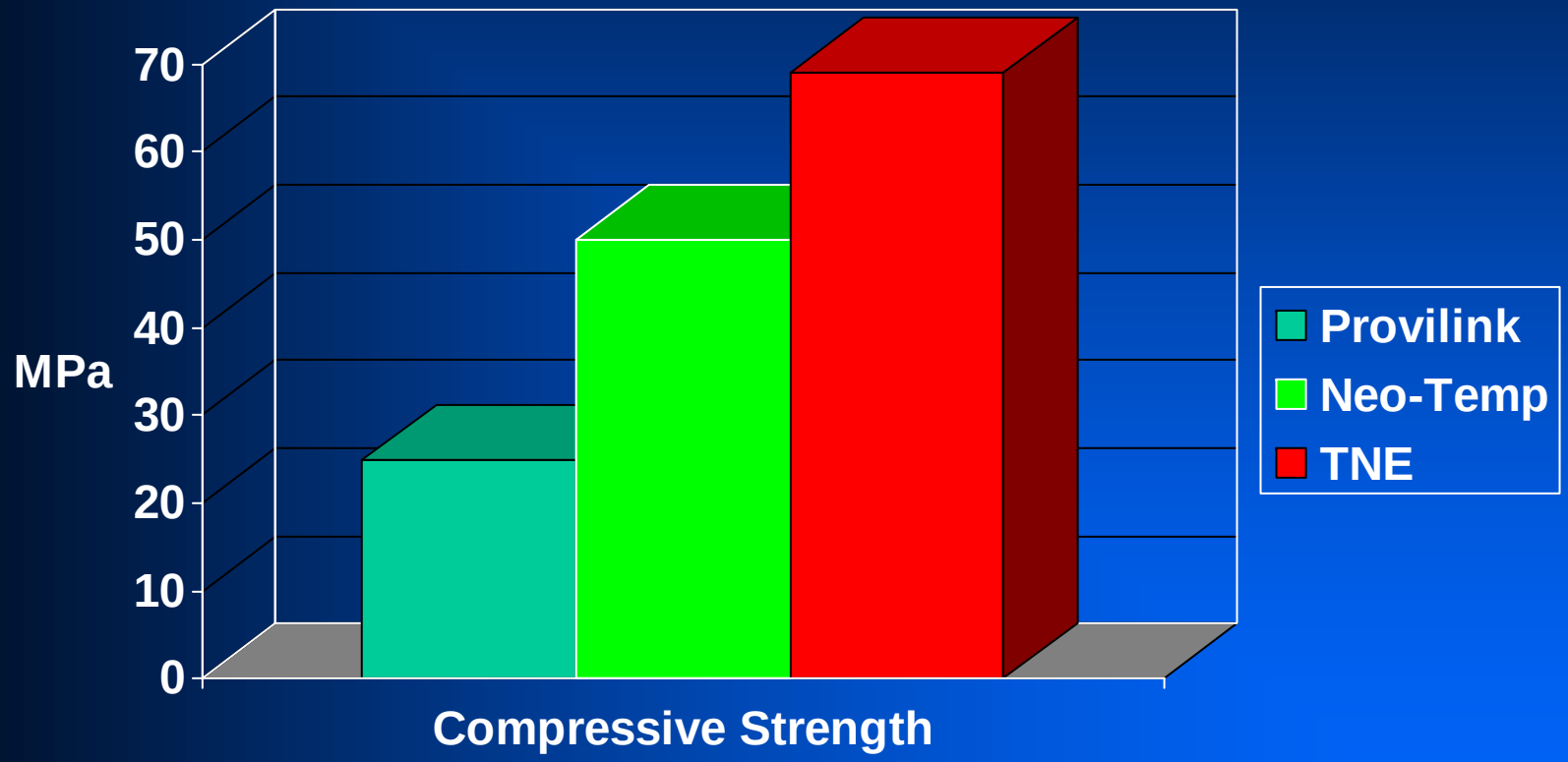
TNE Compressive Strength



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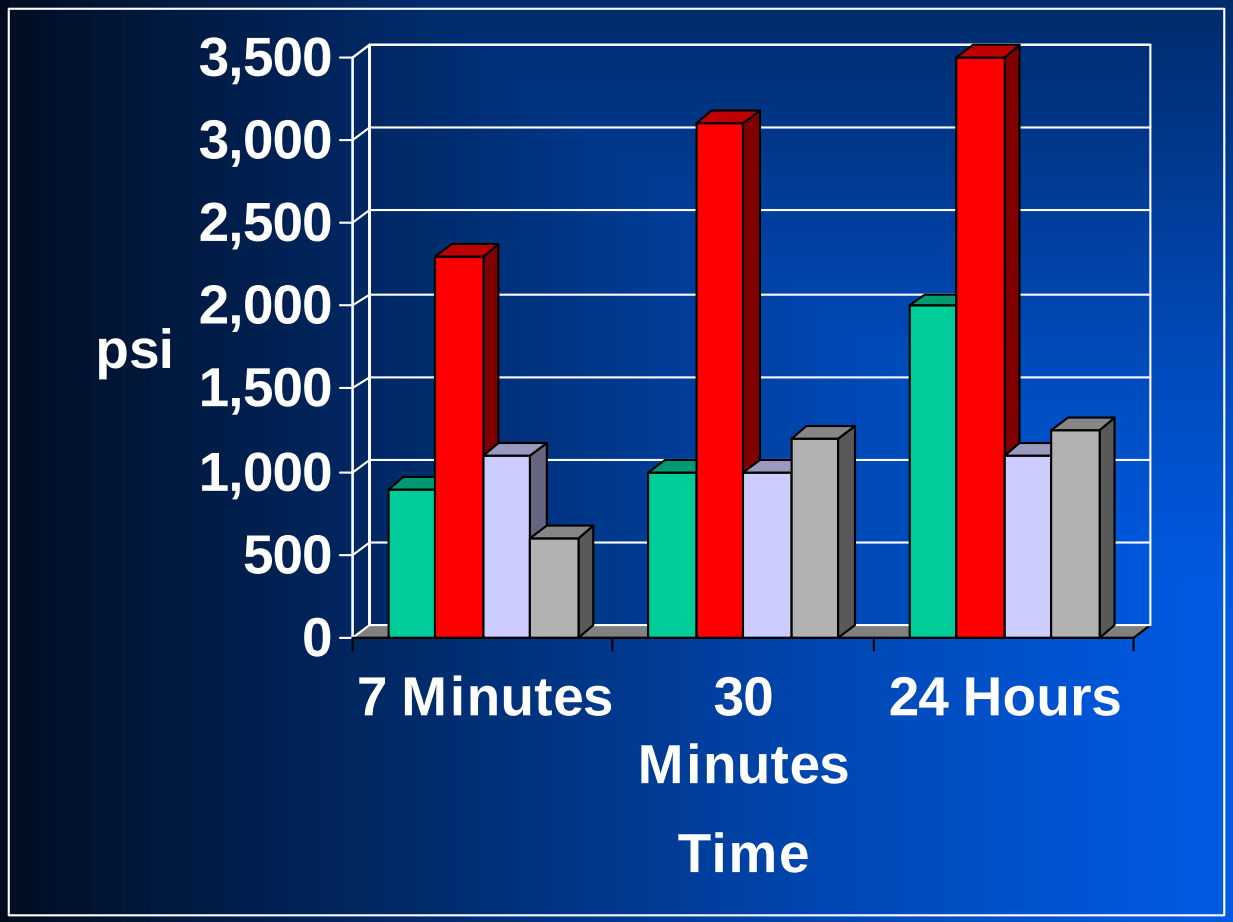
Temrex Cement

- 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

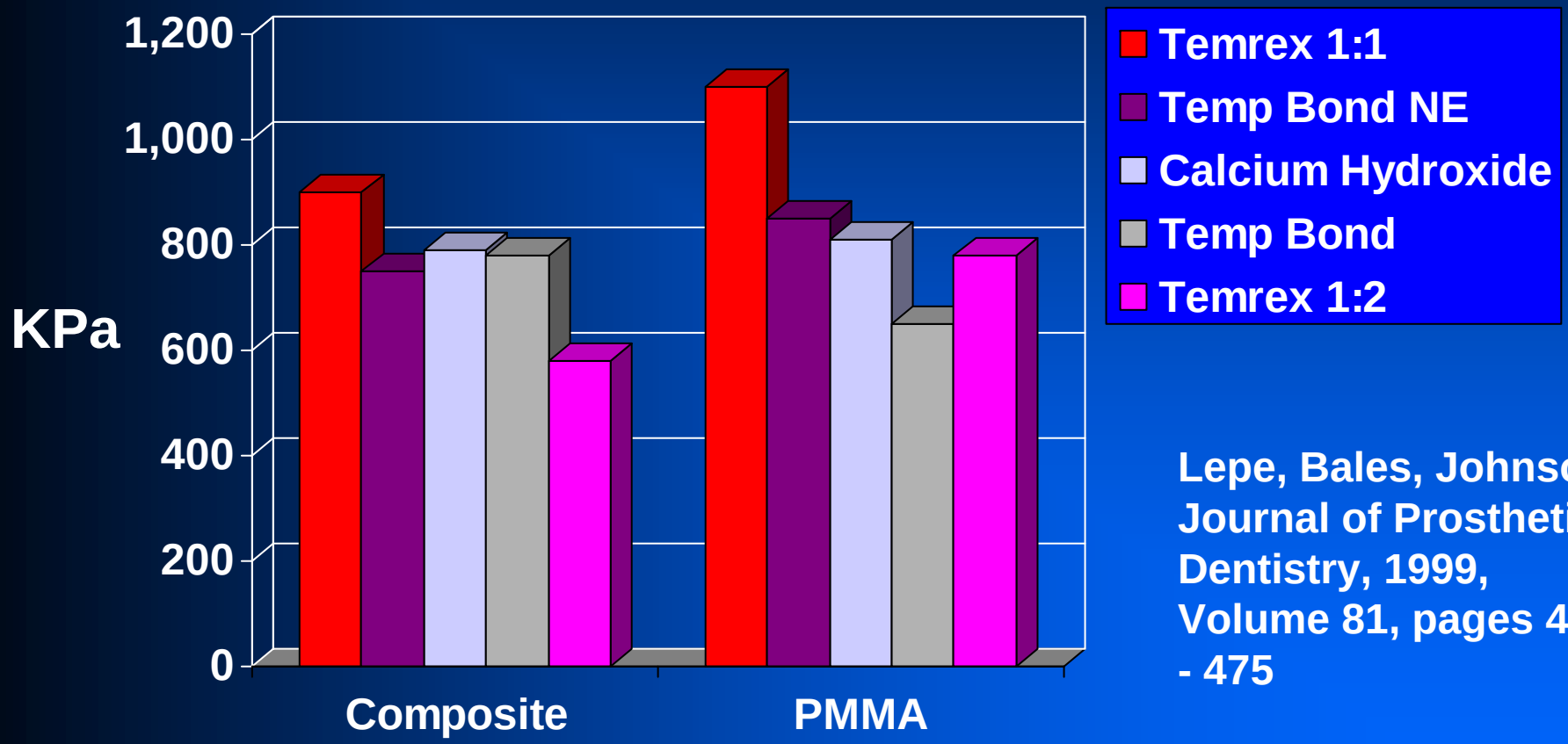
- Compressive strength of 4,100 psi.
- Knoop hardness of 15.
- Achieves a very high compressive strength (3,500 psi) soon after mixing so it is an ideal base under amalgams etc.
- Tensile strength of 210 psi. It is one of the highest tensile strengths of ZOE cements.

Temrex Cement Compressive Strength



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

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
  - ZOE Plus

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