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# **DURATEMP Temporary Crown & Bridge Material**

Temrex Corporation  
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# DURATEMP

## Temporary Crown & Bridge Material

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# Overview

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- Product Characteristics
- Physical Properties
- Case Report
- Instructions
- Ordering Information

# DURATEMP

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- Bis-acryl temporary crown and bridge material.
  - Based upon one of the most biocompatible resins in dentistry
- Available in 3 popular shades
  - A2, A3, A1/B1
- High compressive strength
- Low exothermic heat
- Enhanced colour stability
- Good polishability

# Bis-acryl Resins

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Bis-acryl resins are similar to BIS-GMA resins and possess several advantages, including low curing temperature, minimal polymerization shrinkage, high tensile strength and surface hardness, improved marginal fit, good color stability, minimal odor, and high polishability. Most products are available in automix systems, which improve their ease of use.

Bis-acryl resins can be used for most types of provisional restorations. They make exceptional single partial veneer provisionals and are good materials for directly fabricated long span provisional fixed partial dentures.

# Physical Properties

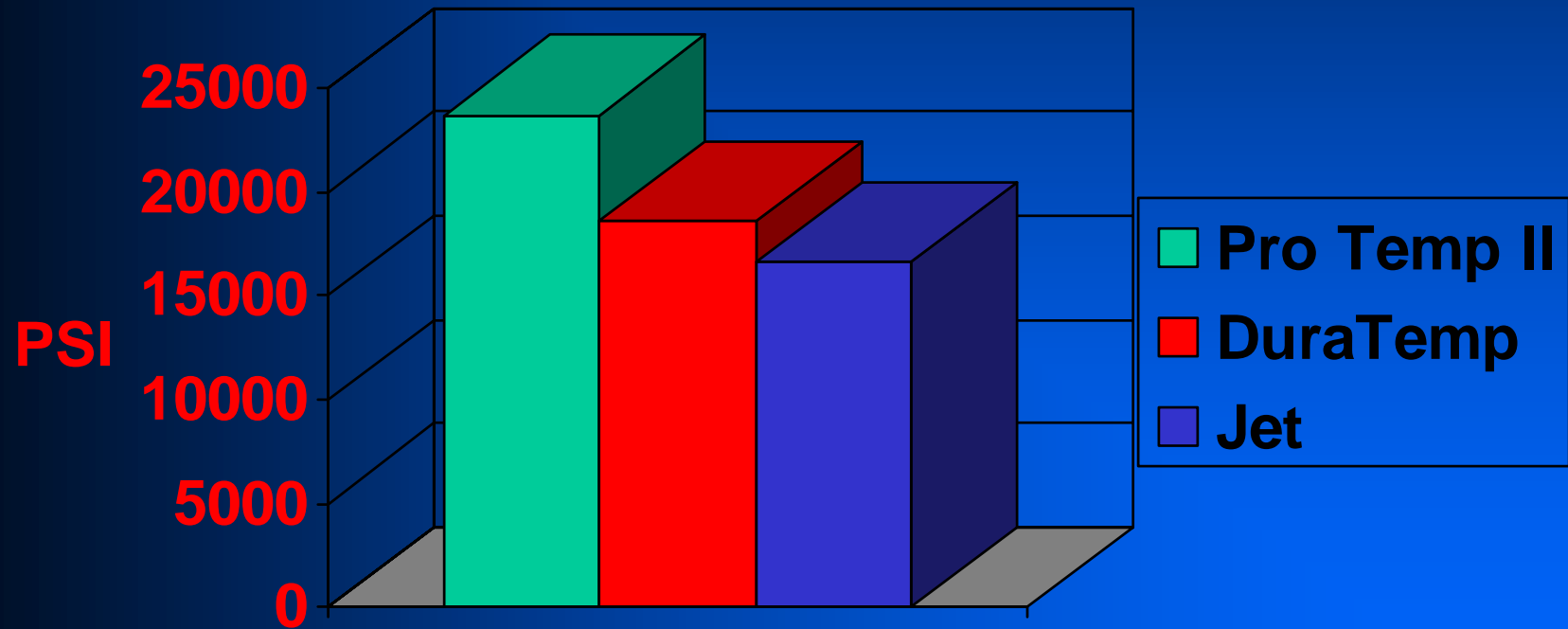
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- Compressive Strength 120 Mpa. or 18,600 psi.
- Flexural Strength 47 Mpa. or 6,815 psi.
- Vickers Hardness 23
- Barcol Hardness after cure 25
- Linear polymerization shrinkage .18%
- Radiopaque

**These properties will ensure the creation of a strong durable temporary restoration.**

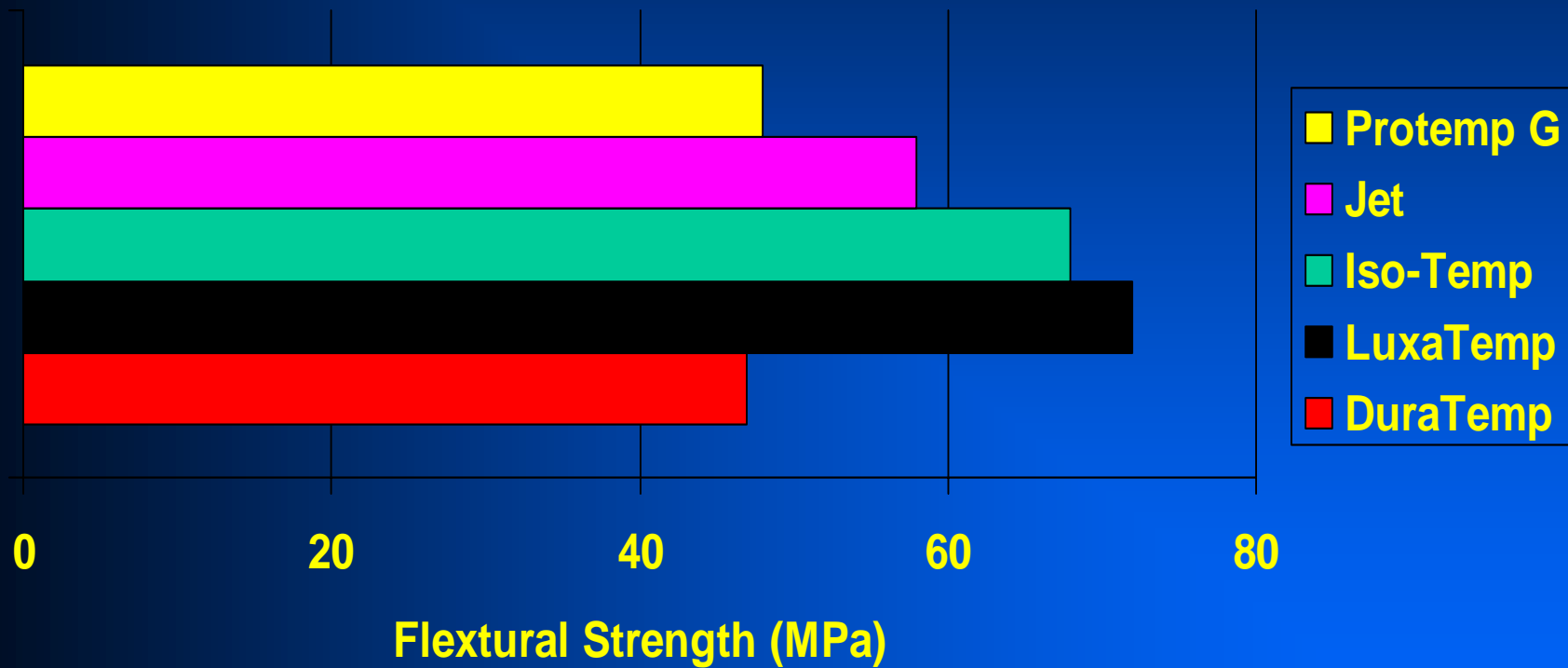
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## Compressive Strength



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## Flexural Strength



Flexural strength measures materials resistance to bending and fracturing.

# Unique Characteristics

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- Two step cure so that the prosthesis can be removed from the mouth within 2 minutes
- Low heat so no danger of pulpal damage
- Minimal oxygen inhibited layer
- Compatible with eugenol and eugenol free temporary cements.
- Can add composites to temporary crown such as ResinX

# Working Times

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|                                     |                  |
|-------------------------------------|------------------|
| Dispense material & seat prosthesis | 40 – 50 seconds  |
| Cure in the mouth                   | 90 – 100 seconds |
| Final set out of the mouth          | 2 minutes        |
| Trimming and finishing              | 3 – 4 minutes    |

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# Clinical Case

**Placement of a Temporary  
Crown for One Year Period**

# Initial Situation

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Endodontically treated first bicuspid.  
Requires a post core crown restoration

# Alginate Impression

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Alginate impression  
of tooth before  
removing  
temporary crown

# Preparation for Cast Post Core

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**First Bicuspid prepared  
for Cast Post Core**

**Adequate occlusal  
clearance and buccal  
reduction.**

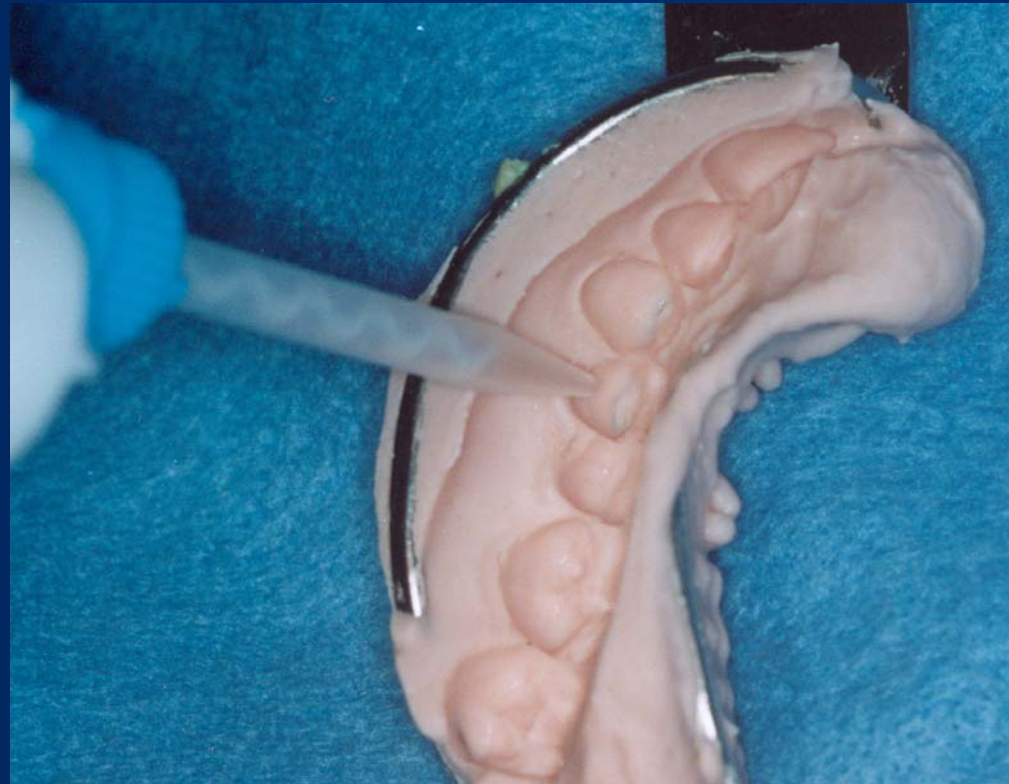
# Bite Relator Impression for Cast Post Core

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# Dispensing DURATEMP into the Alginate Impression

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# Instructions Part 1

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1. DURATemp cartridge is designed for use in a 1:1 Mixing Gun.
2. **When using the cartridge for the first time, purge a small amount of material onto a mixing pad to insure that both base and catalyst will be extruded equally. Discard the purged material.**
3. Take a pre-operative study model using either alginate or silicone material of the teeth to be prepared along with at least one adjacent tooth.
4. Prepare the tooth Be sure to block out any undercuts so that the impression will not tear upon removal and the temporary prosthesis will not bind.
5. Clean and wash the preparation to remove debris. Take the final impression of the prepared teeth.

# Instructions Part 1

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6. Try the matrix into place to ensure seating.
7. Dispense DURATemp into the matrix and seat in the mouth. This should be done within 40 – 50 seconds.
8. Leave the matrix in place up to 2 minutes to allow for the initial set. Remove from the mouth after 2 minutes.
9. Allow DURATemp to finish setting in the matrix for at least 3 – 4 minutes.
10. Remove the prosthesis from the matrix and finish and polish. Temrex Composite Polishing Paste will help create a smooth surface.
11. Seat the prosthesis back on the teeth to check occlusion and fit of the prosthesis.

# General Information

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- **Repairs or additions to the prosthesis.** Any composite material can be used to repair or seal open margins. Roughen the surface with a carbide or diamond bur. Remove the debris and clean with alcohol. Apply bonding agent to wet the surface and then add the composite.
- **DURATemp is compatible with all cements** including those containing eugenol. DURATemp is compatible with all bonding systems.

# Temporary Crown 1 Year Later

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- Good marginal seal.
- No degradation of the crown.
- No tissue irritation.
- A strong durable temporary material

# Product Information

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## DURATEMP

1 kit with 50 cc. of material  
and 15 tips

Shades: A2, A3, A1/B1

Temrex Corporation

Tel: 1-800-645-1226

E Mail:

[temrex@centurytel.net](mailto:temrex@centurytel.net)

Web Site: [www.temrex.com](http://www.temrex.com)