Clinical Research Associates

Newsletter ©

VOLUME 6, ISSUE 3 - MARCH 1982

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PROVO, UTAH 84604
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SUBJECT: DENTURE LINER, SOFT, CHAIRSIDE.

PERMASOFT™

Manufactured by

Dentsply
Austenal

(145 E. 49th Street, New York, NY 10017) Telephone:

***************

CRA CONCLUSIONS:

PermaSoft soft chairside denture liner is easy & fast to use, is retained well on denture base, remains soft, & does not have major objectionable characteristics.

Clinical Research Associates Newsletter

Volume 23, Issue 1

January 1999

—1999 CRA DENTAL PRODUCT BUYING GUIDE—

What is the purpose of this report?

This annual CRA publication lists the best of over 500 different product evaluated by CRA in the past calendar year. Some have completed CRA’s 3-tiered process that combines extensive lab testing with clinical trials (See section 3, pages 3-4). Others are only part way through the process (See sections 1 & 2, pages 1-3). At this point all have been USED CLINICALLY repeatedly by many people. None of the users have any ties with the companies selling the products or any reason to prefer one product over another. The Evaluators are “in-the-trenches” clinicians who need products they can use easily & quickly to render treatment that is dependable, comfortable, & durable for patients.

1. PRODUCTS RATED HIGHLY AFTER CLINICAL FIELD TRIALS ONLY

These products have successfully completed one step of CRA’s SMART SYSTEM. More testing is scheduled & highest performers will be reported in the CRA Newsletter later in 99.

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>DESCRIPTION</th>
<th>COMPANY</th>
<th>INT'L CONTACTS</th>
<th>PHONE</th>
<th>APPROX. U.S. COST</th>
<th>RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIEZOLIGHT</td>
<td>Single use (25) w/ internal indicator is easy to open &amp; dazzle</td>
<td>Cleo Coy</td>
<td>801-469-1220</td>
<td>44-45 x each</td>
<td>96</td>
<td>100%</td>
</tr>
<tr>
<td>DOUBLE-SIDED, SERRATED 300K</td>
<td>Geared for especially tight on bone, ready to use, &amp; precise</td>
<td>Braas</td>
<td>812-255-8401</td>
<td>199.95 x each</td>
<td>80</td>
<td>80%</td>
</tr>
<tr>
<td>PERMASOFT DENTURE LINER</td>
<td>Very thin with smooth edges, easy to use &amp; precise</td>
<td>Endo &amp; Endo</td>
<td>812-255-8401</td>
<td>801-469-1220</td>
<td>50</td>
<td>80%</td>
</tr>
<tr>
<td>30 MM CARBIDE ROUND BURS</td>
<td>Round bur 4 4/5 inch in length used on all types of restorative &amp; precision</td>
<td>Braas</td>
<td>812-255-8401</td>
<td>801-469-1220</td>
<td>33</td>
<td>75%</td>
</tr>
<tr>
<td>EPF-GUIDE</td>
<td>Retractable perio regenerative barrier w/ excellent ease of use &amp; no toxic</td>
<td>Paccon</td>
<td>812-780-3151</td>
<td>801-469-1220</td>
<td>25</td>
<td>80%</td>
</tr>
<tr>
<td>CARBARYL SUPERLUX</td>
<td>Charged to make high quality on any hardness at any age</td>
<td>Cleo Coy</td>
<td>801-469-1220</td>
<td>44-45 x each</td>
<td>100</td>
<td>100%</td>
</tr>
</tbody>
</table>
## United States Patents

### United States Patent

**Patent Number:** 5,513,988  
**Date of Patent:** May 7, 1996  
**Inventors:** Jeffer et al.

- **Claims:** 21

**Abstract:**

**METHOD OF LINING A VOID IN A DENTURE OR APPLYING A LINER AROUND AN IMPLANT CYLINDER OR IMPLANT HEALING CAP**

- 4,764,115 8/1988 Willits et al. 433/172 X
- 5,030,094 7/1991 Nardi et al. 433/169
- 5,037,473 8/1991 Antonucci et al. 433/168.1 X
- 5,203,700 4/1993 Chmel 433/169

### United States Patent

**Patent Number:** 5,678,993  
**Date of Patent:** Oct. 21, 1997  
**Inventors:** Jeffer et al.

- **Claims:** 8

**Abstract:**

**METHODS OF LINING DENTURES AND DENTURE VOIDS AND FORMING DENTURE EXTENSIONS**

- 5,338,190 8/1994 Tregillus
- 5,431,563 7/1995 Huybrechts 433/168.1 X

### United States Patent

**Patent Number:** 5,885,077  
**Date of Patent:** Mar. 23, 1999  
**Inventors:** Jeffer

- **Claims:** 13

**Abstract:**

**METHODS OF ANCHORING DENTURES OVER CROWN COPINGS AND POST ABUTMENTS**

- 4,619,891 10/1986 Takahashi
- 4,670,480 6/1987 Morrone
- 4,705,836 11/1987 Ohtsuka et al.
- 5,268,396 12/1993 Lai
Features & Benefits

- Processed at chairside or in a dental laboratory
- Able to adjust softness by varying powder / liquid ratio
- 3 shades available - (199 Pink Shade, Deeper Pink Shade, Clear / Transparent)
- 10 minute cure; Easy to trim and finish
- Bonds to itself for quick and easy adjustments
- Vinyl sealer provides non-absorbent, stain resistant surface
- Chemically bonds to roughened resin - (no methyl methacrylate)
- Significantly lower cost
Applications

**PermaSoft “PINK” powder is ideal to…**
- Soft line full upper, lower and partial dentures
- Soft line implant overdentures using patented technique
- Enable incremental loading during transitional healing phase
- Gasket onto ball abutments, bar attachments, crown copings & posts

**PermaSoft “CLEAR” powder is ideal to…**
- Soft line bite plates, splints, TMJ & sleep apnea appliances
- Gasket onto isolated abutment teeth for denture retention
- Fill voids to eliminate food traps around clasps
PermaSoft lined Upper Denture
Distal extension with PermaSoft
Gasket onto abutment teeth
Biteplate with PermaSoft clear
This patented implant overdenture technique was developed to aid in the progressive healing process following the surgical placement of dental implants. It is well suited for this chairside application due to one’s ability to vary the liner’s degree of softness by simply adjusting the powder to liquid mixing ratio. Plus, the non-absorbent sealer prevents liner absorption.

Post-Surgical Placement:  PermaSoft line allows a light load on implants after initial surgery.

Healing Cap Exposure  PermaSoft liner can form a gasket over ball abutments.

Long-Term Retention  PermaSoft liner can provide retention over bar connectors with long term service.
Methods of anchoring dentures over crown copings and post abutments.
Gasket onto ball abutments
Gasket onto Hader Bar
Six Easy Steps To Patient Comfort...

1. Mix 10cc powder with 4cc liquid in mixing cup. Stir gently.

2. Spatulate into relieved, dry denture.

3. Insert denture; remove one minute later.

4. Cure in Hot Water (70°C/160°F) for 15 minutes.

5. Chill to trim.

6. Apply sealer to dry liner. Air dry 2+ min. Repeat.
When all else fails, read the directions!

<table>
<thead>
<tr>
<th>Density</th>
<th>Ratio</th>
<th>Powder</th>
<th>Liquid</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softest</td>
<td>(2:1)</td>
<td>8cc</td>
<td>4cc</td>
<td>• Post-surgical prosthetics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Cushion for sensitive tissues</td>
</tr>
<tr>
<td>Standard Liner</td>
<td>(2.5:1)</td>
<td>10cc</td>
<td>4cc</td>
<td>• Full denture relines</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Partial denture stabilization</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• Overdenture retention onto healing caps</td>
</tr>
<tr>
<td>Firm</td>
<td>(3:1)</td>
<td>12cc</td>
<td>4cc</td>
<td>• Overdenture retention on bar connectors, ball abutments or existing retained teeth</td>
</tr>
</tbody>
</table>
Powder-Liquid mix ratio (2.5:1) standard
Mix *slowly* to honey-like consistency
Roughen & relieve acrylic denture
Jelly surfaces to retard bonding
PermaSoft applied to denture base
Sets in mouth after two minutes
Muscle trim while setting in mouth
Wet finger with mixing liquid. Then, smooth surfaces before curing.
Cure in HOT water for 5 minutes
CHILL in cold or ice water... then trim
Heat dry before applying Sealer
High Gloss, Non-absorbent Sealer
Combination Kit: 60gm Pink & 30gm Clear
Various kits sizes & components available
How to care for your PermaSoft Soft Liner

1. Rinse your denture after every meal. Clean once a day using denture cleanser and an “extra soft” bristle toothbrush.

2. Soaking your denture up to 10 minutes in a denture cleanser is usually adequate. DO NOT SOAK “overnight” in cleanser.

3. NEVER SCRUB the soft liner with a hard bristle denture brush. This will damage the special protective vinyl Sealer on the surface of the soft liner.
Bring a smile to your office!

With PermaSoft you can easily create full dentures, overlay partial dentures, and retain implant overdentures. You can apply this soft resin quickly in your office or existing appliance right in your office, or you can request a PermaSoft Base from your laboratory. A PermaSoft Bring will result in soft, firm and impact resistant.

PermaSoft's unique formula sets it apart from all other soft liners.

- Foam in a gel, set in place
- 10 minute cure in hot water, or 45 minute cure in a flask
- Easy to mix, trim, and finish
- Bonds strongly to acrylic resin, without a bonding agent
- Color blends well with denture
- Vapocool prevents staining and browning

PermaSoft's unique formula sets it apart from all other soft liners.

FREE
Patient Education Brochures
Excellent for waiting room flyers or patient mailings.
1-800-621-0381

1. Mix powder into liquid per directions. Stir gently.
2. Spatulate into relined, dry denture.
3. Insert denture, remove one minute later.
4. Cure in hot water.
5. Chill with cold water, trim with scissors, then finish.
6. Apply sealer to dry liner. Air dry 2-3 min. Repeat.
Thank you for using PermaSoft!

Peter H. Jeffer, Patent Holder
President / CEO, NU-Dent, Inc.
79 Hampshire Lane, Boynton Beach, FL 33436

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Cell: 516-840-0577
Email: Peter@PeterJeffer.com

For information, contact DENTSPLY International, Inc. 1-800-786-0085

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