PermaSoft Soft Denture Liner

Dentsply Sirona



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Clinical Research Associates Newsletter©

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SUBJECT: DENTURE LINER, SOFT, CHAIRSIDE.

PERMASOFT™ Manufactured by DENTSPLY AUSTENAL
(145 E. 49th Street, New York, NY 10017) Telephone.

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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.

CRA
CLINICAL RESEARCH ASSOCIATES NEWSLETTER®
23rd YEAR AS THE CLINICIAN'S CONSUMER REPORT OF DENTAL PRODUCTS & TECHNIQUES

Volume 23, Issue 1 January 1999

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—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.

CRA FIRST LOOK

1. PRODUCTS RATED HIGHLY AFTER CLINICAL FIELD TRIALS ONLY

THESE PRODUCTS HAVE SUCCESSFULLY COMPLETED ONE STEP OF CRA'S 3-PART SYSTEM. MORE TESTING IS SCHEDULED & HIGHEST PERFORMERS WILL BE REPORTED IN THE CRA NEWSLETTER LATER IN '99.

Chart Code	PRODUCT NAME	DESCRIPTION	COMPANY CONTACTS	INT'L PHONE	APPROX. U.S. COST	Number of Evaluators	% RATED WORTH FOR TRIAL	RATING			
								Excellent	Good	Fair	Poor
3.90	PEELVUE+	Sterilizer pouch (13 sizes) w/ internal indicator is easy to open & durable.	Clive Craig	805-688-3122	$4 - $54 each	56	88%	70%	22%	3%	0%
3.88	DOUBLE SIDED SERRATED DISK	Diamond disk for separating teeth on stone models is sharp, durable, & precise.	Brasseler USA	912-925-8525	$39.95 each	30	83%	70%	30%	0%	0%
3.88	PERMASOFT DENTURE LINER	Chairside / lab soft liner w/ vinyl sealer, can be mixed to various softness			$115.00	32	97	78%	22%	0%	3%
3.86	30 MM CARBIDE ROUND BURS	Round burs in 4 sizes w/ long shank (30mm), aid access in endo & surgery.	Brasseler USA	912-925-8525	$3.50 each	31	90%	68%	29%	3%	0%
3.84	EPI-GUIDE	Resorbable perio regenerative barrier w/ excellent ease of use & resorbable unit.	Paragon Implant	818-783-1557	$70 / barrier	25	88%	64%	32%	4%	0%
3.83	CHARISMA SUPERLIGHT	Direct placement hybrid composite resin in an extra light shade for matching beaches teeth.	Heraeus Kulzer	219-291-6463	$30.53 / ea	24	88%	58%	42%	0%	0%

United States Patents

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United States Patent [19]
Jeffer et al.

[11] **Patent Number: 5,513,988**
[45] **Date of Patent: May 7, 1996**

[54] **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
5,282,746	2/1994	Sellers et al.	433/172

21 claims

United States Patent [19]
Jeffer et al.

[11] **Patent Number: 5,678,993**
[45] **Date of Patent: Oct. 21, 1997**

[54] **METHODS OF LINING DENTURES AND DENTURE VOIDS AND FORMING DENTURE EXTENSIONS**

5,306,338	4/1994	Tsunekawa	106/35
5,338,190	8/1994	Tregillis .	
5,431,563	7/1995	Huybrechts	433/168.1 X

8 claims

United States Patent [19]
Jeffer

[11] **Patent Number: 5,885,077**
[45] **Date of Patent: *Mar. 23, 1999**

[54] **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 .	

13 claims

Features & Benefits

Dentsply Sirona

- Processed at chairside or in a dental laboratory
- Able to adjust softness by varying powder / liquid ratio
- 2 shades available - (199 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)
- <u>Significantly lower cost</u>

Applications

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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

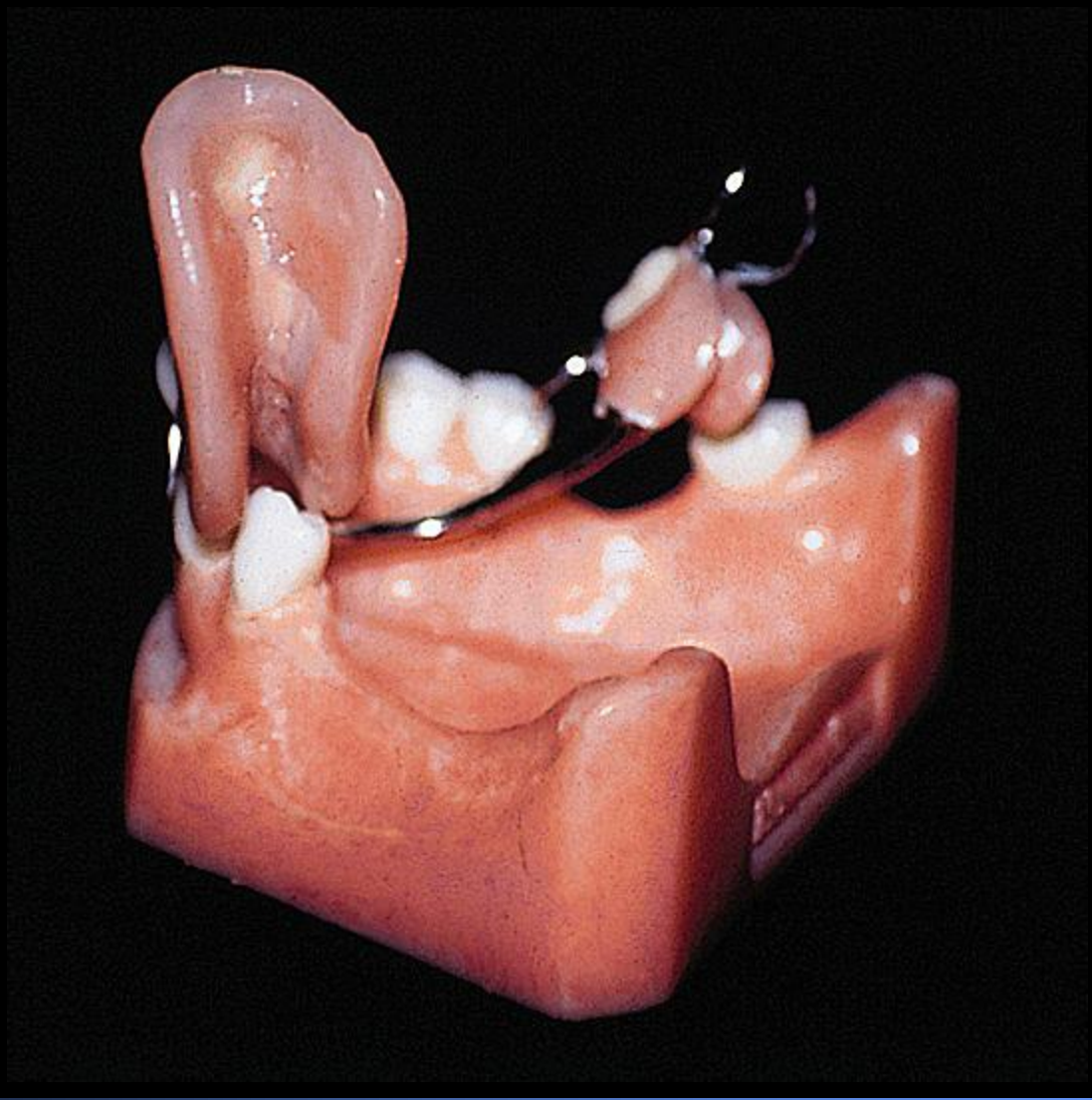
PermaSoft lined Upper Denture

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Distal extension with PermaSoft

Dentsply Sirona



PermaSoft Obturator

Dentsply Sirona



PermaSoft Clear Applications

Dentsply Sirona



Gasket onto abutment teeth

Dentsply Sirona



Occlusal Splint with PermaSoft clear





IMPLANT OVERDENTURE TECHNIQUE

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.



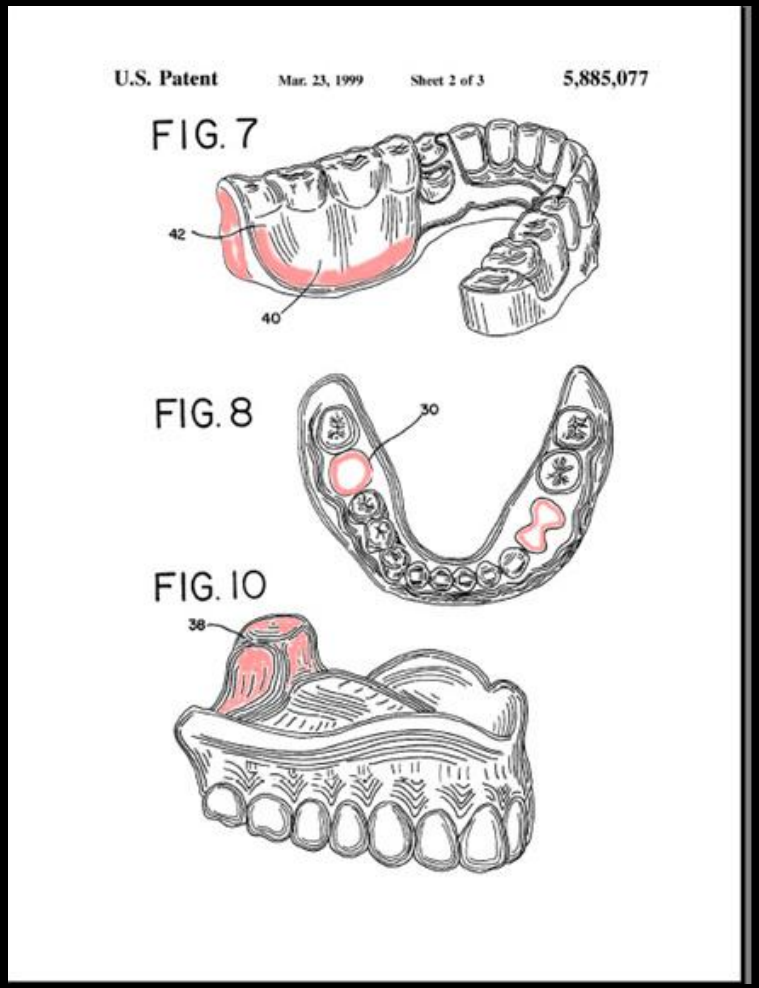
Long-Term Retention

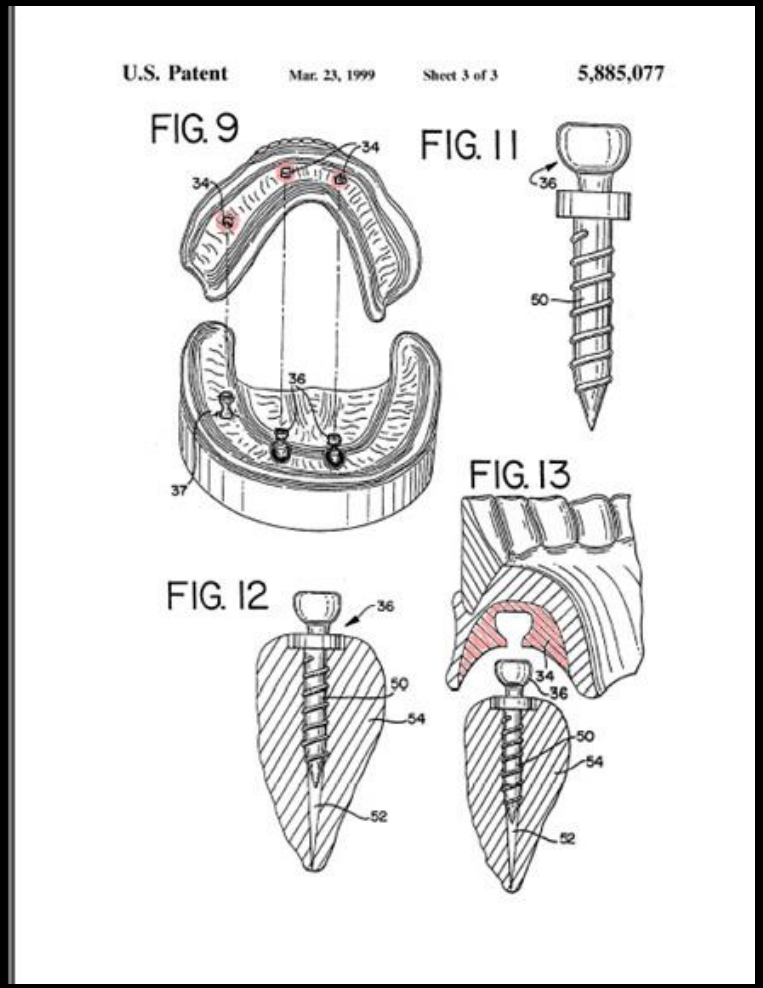
PermaSoft liner can provide retention over bar connectors with long term service.



Methods of anchoring dentures over various copings and post abutments.

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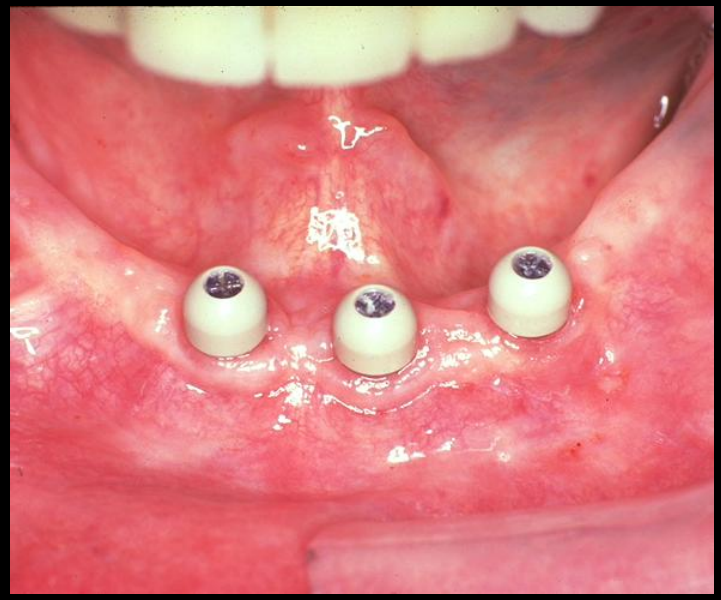




PermaSoft over Healing Caps

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Implant Healing Caps



PermaSoft Overdenture



Retention over Ball Abutments

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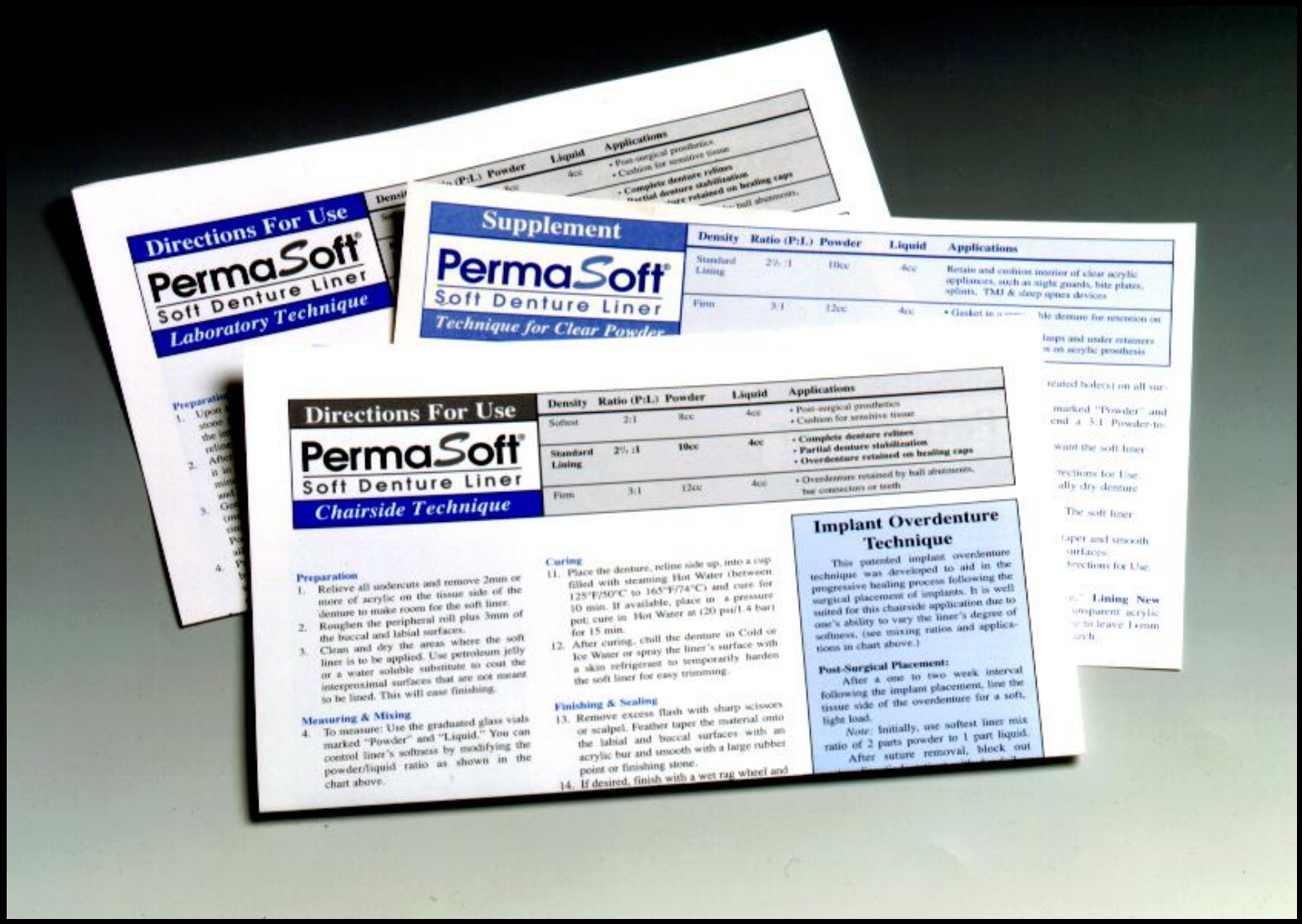


Retention onto Bar Attachments

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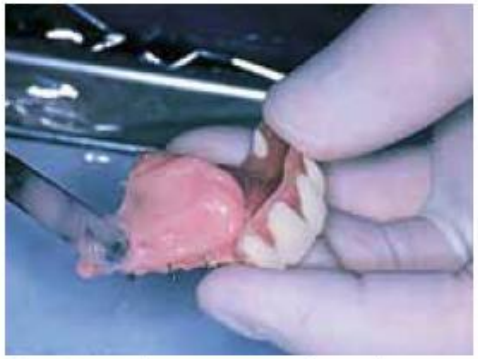
Chairside, Laboratory, Clear Technique



Six Easy Steps To Patient Comfort...



1 Mix powder into liquid per directions. Stir gently.



2 Spatulate onto relieved, dry denture.



3 Insert denture; remove one minute later.



4 Cure for 10-minutes in hot water.



5 Chill with cold water. Trim with scissors, then finish.



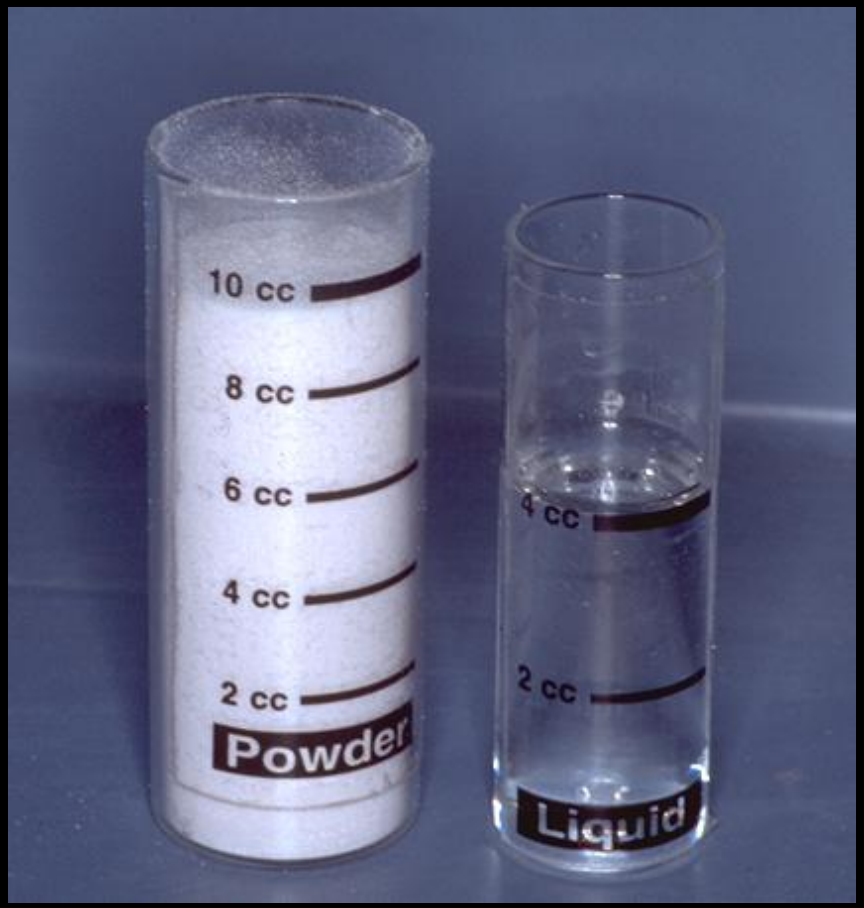
6 Apply sealer to dry-liner. Air dry for 2-plus minutes. Repeat.

When all else fails, read the directions!

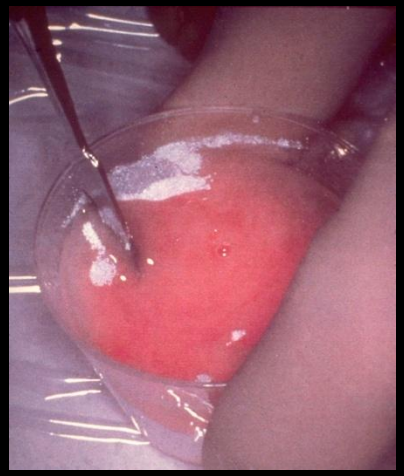
Density	Ratio	Powder	Liquid	Applications
Softest	(2:1)	8cc	4cc	• Post-surgical prosthetics • Cushion for sensitive tissues
Standard Liner	(2.5:1)	10cc	4cc	• Full denture relines • Partial denture stabilization • Overdenture retention onto healing caps
Firm	(3:1)	12cc	4cc	• Overdenture retention on bar connectors, ball abutments or existing retained teeth

Powder-Liquid mix ratio: (2.5:1) standard

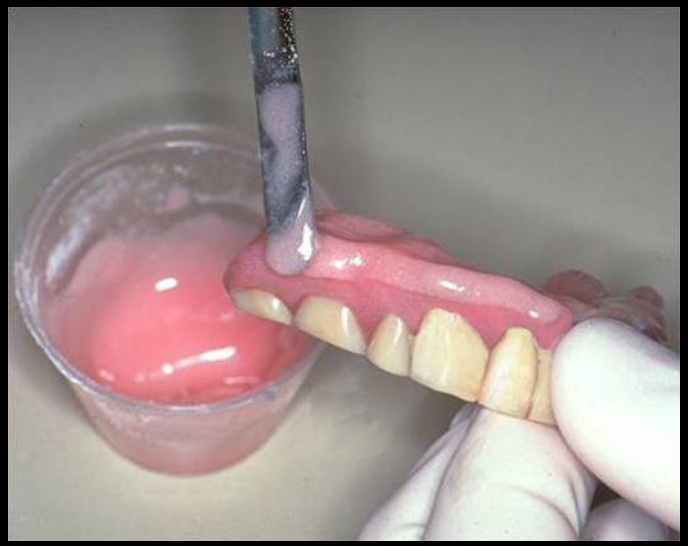
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Mix *slowly* to honey-like consistency

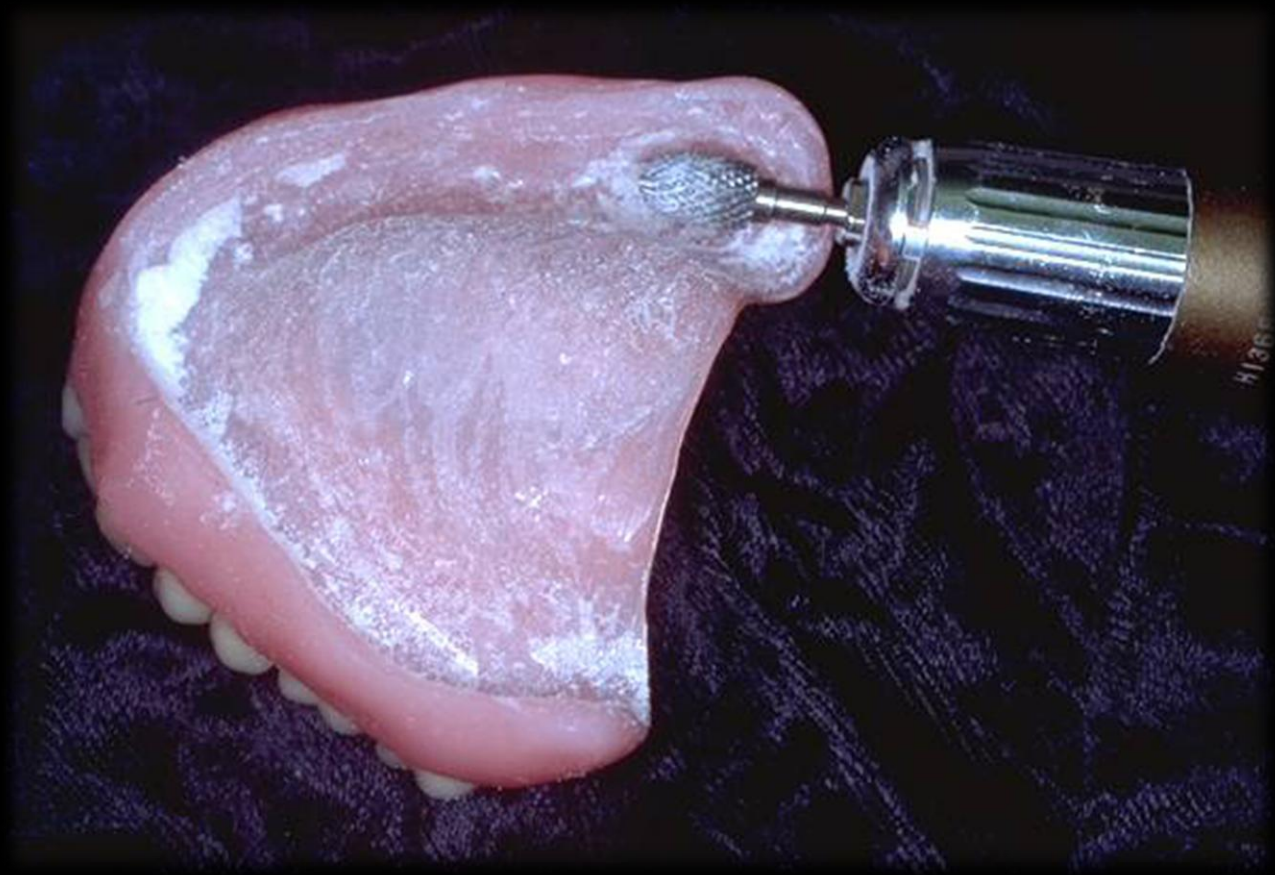








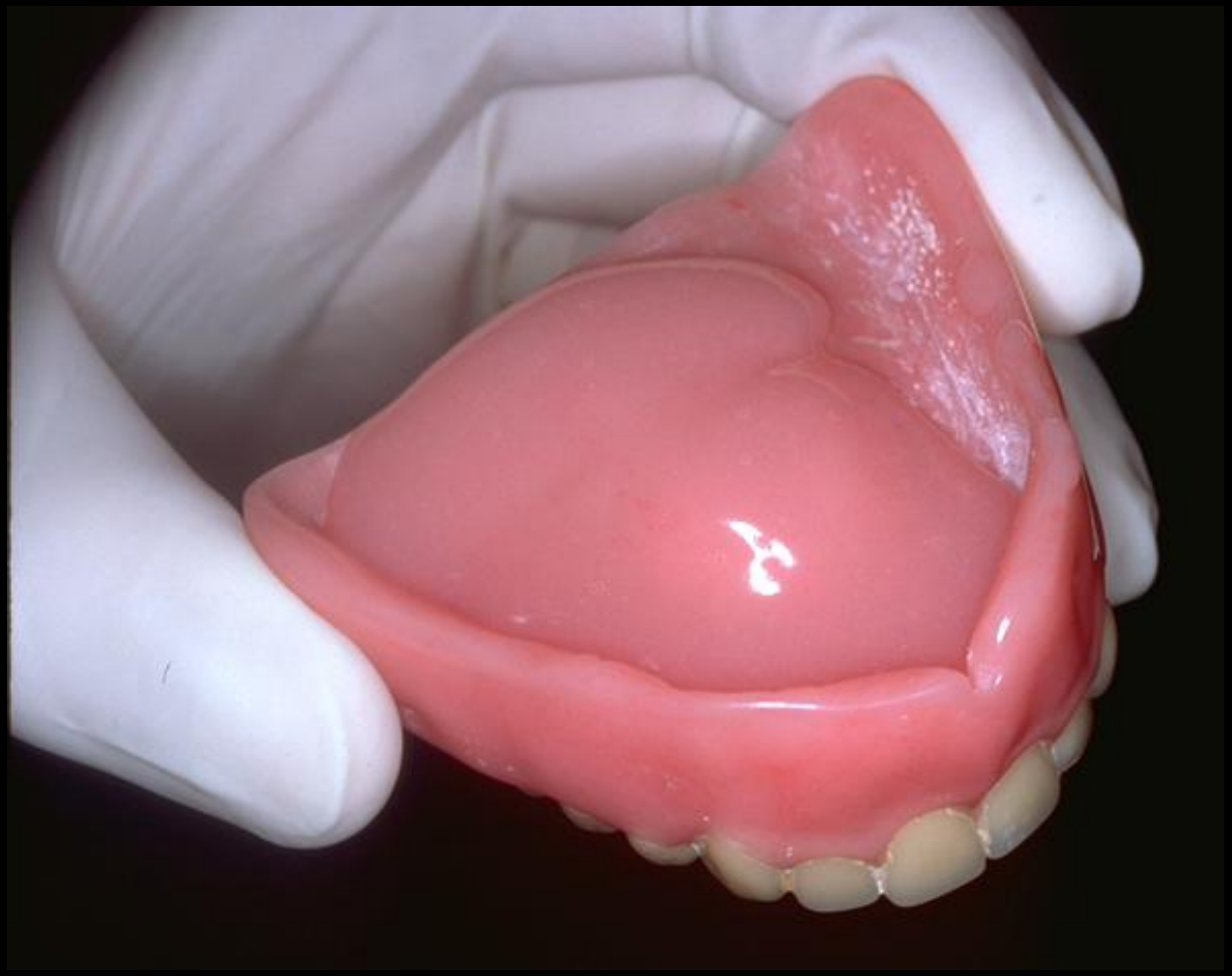
Roughen & relieve acrylic denture



Jelly retards bonding where desired



PermaSoft applied to denture base



Sets in mouth after two minutes



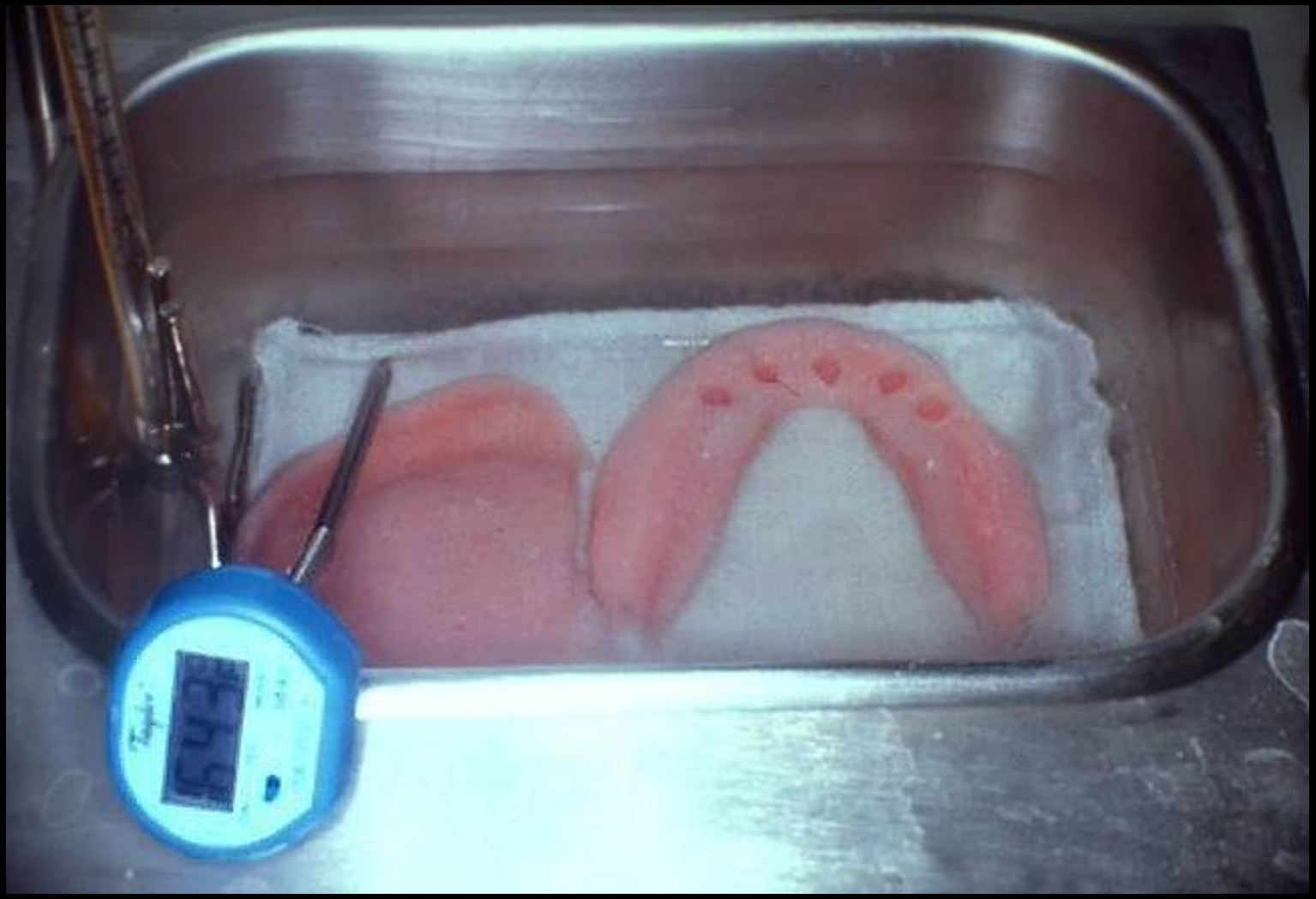
Border mold while setting in mouth



Wet finger with mixing liquid. Then, smooth surfaces before curing

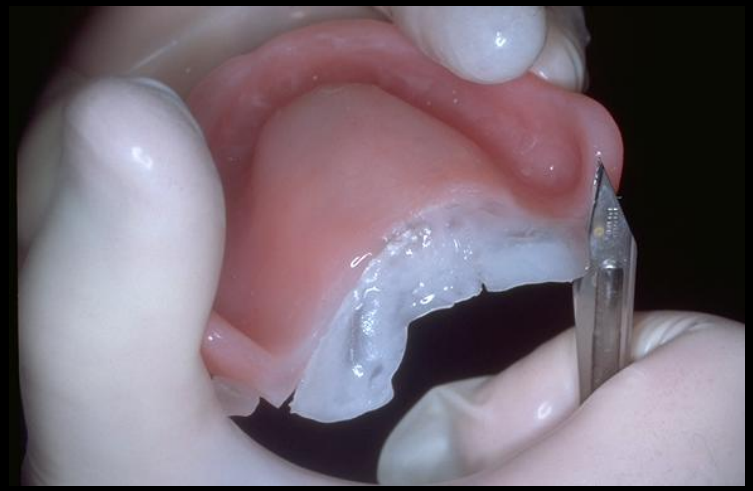


Cure in HOT water for 5 minutes



Chill in cold or ice water… then trim









Heat dry before applying Sealer

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High Gloss, Non-absorbent Sealer

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Combination Kit: 60gm Pink & 30gm Clear

Other kits sizes & components available



Patient Education Materials

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How to care for your PermaSoft® Soft Liner



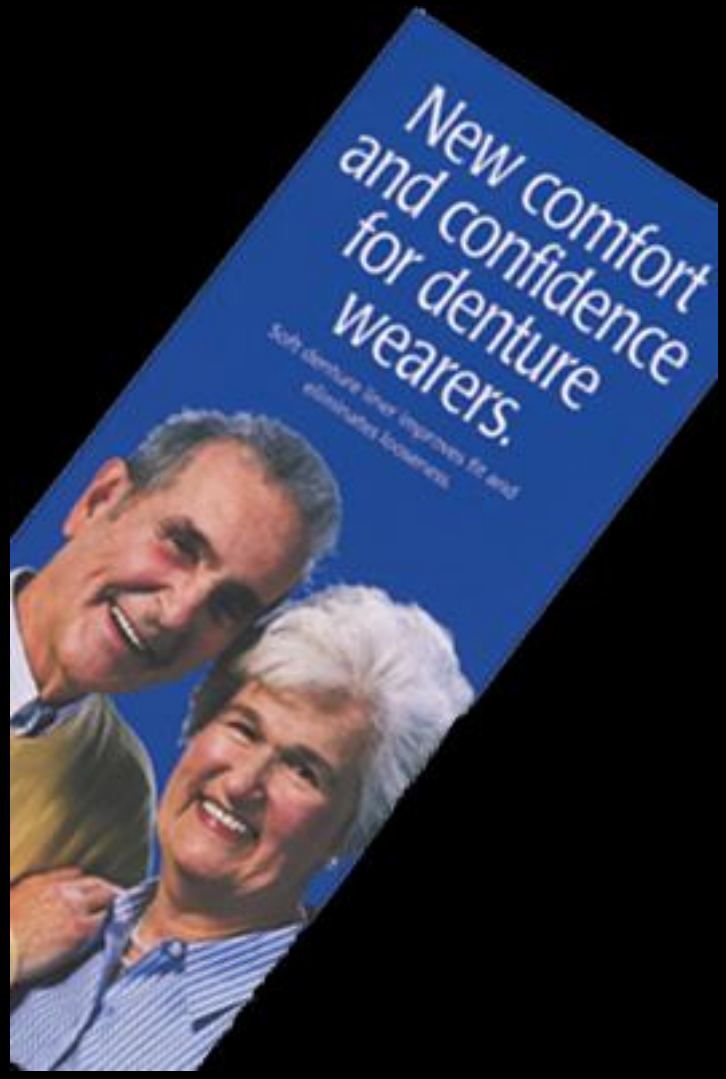
Rinse your denture after every meal. Clean once a day using denture cleanser and an "extra soft" bristle toothbrush.



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



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.



Thank you



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DENTSPLY International, Inc.

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