

Your permanent denture soft liner solution!

If your goal is to have an excellent result when

placing a soft liner each and EVERY time, then...

PLEASE take the time to read the instructions thoroughly and follow them exactly.

www.easysoftliner.com

WARNINGS

Please note: Easysoftliner™ requires a denture base material that contains PMMA (Poly Methyl Methacrylate) to ensure optimal bonding, in use with Easysoftliner Adhesive/Bonding Agent. If you are unsure if the denture base contains PMMA, it is highly recommended to check bonding prior to use. In some cases where the PMMA content in the denture base material is low, it is recommended to increase the length of bonding time to 2 hours at 50°C/120°F water temperature.

Close the bottle of EasySoft liner™ adhesive immediately after use.

PRECAUTIONS

- The possibility of allergic reactions to the product in sensitive persons cannot be fully excluded.
- Do not leave any soft liner in the mouth that has not attached to the dentur
- Avoid splattering this material onto clothing as it cannot be removed by
- Certain local anesthetics, retraction solutions, mouth washes or H₂O₂ may impede the setting reaction.

COMPATIBILITY WITH OTHER MATERIALS

- Do not contaminate EasySoft liner™ (type "A" silicone) with polyether materials.
- · As with all type A silicones, certain examination gloves may damage the platinum catalyst regardless of whether there is direct or indirect contact with the silicone material. This may result in EasySoft liner™ not achieving complete setting and final hardness.

TECHNICAL DATA

Total working time: 2 minutes 15 seconds Intra-oral setting time: 5 minutes Setting completed: 7 minutes 15 seconds Linear dimensional change: - 0 20 % Elastic deformation: 99.5 % Shore-A hardness (24hours):

Shelf life: 24 months 18 - 23 °C / 64 - 74°F (Do not refrigerate) Storage temperature:

INDICATIONS FOR USE

EasySoft liner™ can be used indirectly (laboratory processing) or directly (chairside) for fabricating a permanent soft lining material on the tissue bearing surface of a denture. EasySoft liner™ is recommended for:

Improved patient comfort!

- allowing patient to chew for longer duration with increased comfort.
- securing dentures with severe undercuts.
- relief of a surgical site after placement of dental implants.
- compensating for areas of thin mucous membrane which vary in resiliency (thin tissue over problem areas, such as the mandibular nerve).
- relief of palatal and/or mandibular torus/tori.
- relief of Stafne bone cavities: small mandibular undercuts located lingual of the first bicuspid.
- relief of sharp bony areas on severe atrophic ridges, and deep
- · retromylohyoid notches.
- extensions of flanges in areas with strong undercuts.

• partial denture/ circumferential gaskets around remaining natural teeth (alternative to a wire clasp, particularly good for slightly mobile teeth).

• post damming of the A-line (post palatal seal).

• relining of immediate dentures for comfort during the healing stage.

• a tissue conditioner in cases with chronic denture sores.

IMPORTANT!

It is **strongly** suggested to adhere to the instructions for applying the patented EasySoft liner™ adhesive (bonding agent) exactly to ensure optimum bonding to the denture base material

The chemical reaction, which occurs during this important step is one of the keys to EasySoft liner™ success

The first application of adhesive (bonding agent) is needed to react with the base material. Brush on adhesive where EasySoft liner™ material is desired. The adhesive needs 30 seconds to penetrate the acrylic surface. DO NOT BLOW DRY.

The second application of adhesive is applied to ensure that a complete layering of the adhesive is on the acrylic base material and permits optimum bonding of EasySoft liner™ material. Allow adhesive to dry for the full 2 minutes. DO NOT BLOW DRY.

CARTRIDGE DELIVERY SYSTEM FOR EASYSOFT LINER™ It is necessary to use a dispensing gun to push the catalyst and base materials into a cartridge tip for the proper mixed ratio of EasySoft liner™ material for optimum result.

INSTRUCTIONS FOR USE

USING A RELINE JIG - EXISTING DENTURE

STEP 1

- Disinfect the reline impression using manufacturers instructions.
- Pour the impression using a high quality dental stone. Type IV stone and vacuum mixed is ideal
- · Mount the reline model onto the reline jig as usual.

STEP 2

· Once stone has set, remove denture from reline jig and trim denture for desired thickness of EasySoft liner™.

EasySoft liner™ requires a minimum thickness of 1mm in order to achieve a proper bonding and curing. Ideal thickness for patient comfort is 2 to 3 mm.

STEP 3

- · Once the tissue bearing side and periphery of the denture has been reduced and roughened for adequate EasySoft liner™ thickness, clean the denture with monomer and place it back onto reline jig.
- Separate stone model with a stone to acrylic separator. Allow separator to dry completely.

PLEASE NOTE: cleaning the denture with monomer at this stage is recommended to remove hand oils and debris. However, allow monomer to **completely** dry for several minutes before the EasySoft liner™ adhesive is applied!

- Brush on EasySoft liner™ adhesive where EasySoft liner™ material is desired, wait 30 seconds. DO NOT BLOW DRY.
- Apply a second coat of adhesive to the areas where EasySoft liner™ material is desired. Allow adhesive to dry for the full 2 minutes.

- Ensure that the adhesive is applied beyond the prepared periphery. If there is **no adhesive** there will be **no bonding** of EasySoft liner™
- Adhesive must be completely dried prior to applying EasySoft liner™ material

STEP 4

- Apply EasySoft liner™ material uniformly with a dispensing gun and tip onto the model and the denture base
- TIP: to prevent air voids being trapped in the EasySoft liner™ material, keep the end of the tip in the material while dispensing it onto model and denture.

STEP 5

- · Close the reline jig halves and tighten screws to apply pressure as usual.
- Place reline jig immediately into pressure pot immerse in water at 50°C / 120°F for a minimum of 35 minutes. No pressure required.

STEP 6

TRIMMING OF EASYSOFT LINER™ AND USE OF SEALANT

- Once the EasySoft liner™ material has cured, remove the denture from reline jig, as usual.
- \bullet Use sharp scissors to cut excess EasySoft liner $^{\text{\tiny{TM}}}$ material at the periphery. Use a rotary instrument (EasySoft liner™ bur) to create a neat junction between the denture acrylic and the softliner.
- Final finishing shouldshould be carried out with the EasySoft liner™ polishing discs
- Trimmed areas of acrylic can be polished with pumice, as usual. \bullet Clean EasySoft liner $^{\intercal}$ thoroughly with soap and water, then dry.
- Remove any residual acrylic polishing paste prior to using the sealant. If the paste cannot be removed entirely, use the EasySoft liner™ polishing disc to remove residual paste.
- · Apply a thin layer of EasySoft sealant to trimmed areas of EasySoft liner™ only
- It is advisable to place a small amount of EasySoft sealant into a small dappen dish and apply it with a clean brush.
- Once EasySoft sealant has been dispensed it must be used within
- The sealant loses its adhesive properties after 7 minutes.
- Immerse the denture for 30 minutes in 50°C/120°F warm water. It is not important to have denture under pressure during this step.

PLEASE NOTE: The silicone sealant does not attain its final mechanical properties until it has been at mouth temperature for 24 hours.

NEW DENTURE WITH SOFT LINER ONE INVESTMENT PROCEDURE

STEP 1

- Be sure when waxing up the new denture for investing, that the required thickness for both the acrylic base and EasySoft liner™ is adequate. · Invest the wax denture in the flask
- When the investment stone is set, boil out and clean the model and
- investment stone in flask
- Apply separating fluid to the stone and model (use a separator which forms a microfilm).
- Wait until the stone has completely cooled and separator is dry.

STEP 2

• In order not to damage the stone model from being damaged during processing of denture base material, apply a thin layer of a flexible silicone material to protect the entire surface of the model.

Placing the thin flexible silicone material is a very important step. The silicone ensures that the stone model is preserved during the processing of the acrylic base material. It allows for a second processing technique - EasySoft LinerTM using the same investment of flask.

- Once the flexible silicone material is set, close upper and lower flask together to ensure there is no interfence.
- Trial pack or inject the acrylic into flask as usual.
- Process acrylic base material according to manufacturer's instructions.
- · Cool acrylic and flask, as usual.
- · Open the flask carefully without deflasking.

STEP 3

- It will not be possible to remove the denture from the flask at this stage. • Drill even depth holes using a 2 or 3 mm round bur through the spacer into
- the entire tissue bearing surface of the denture. · Discard the silicone spacer.
- The holes should be the depth of your desired EasySoft liner™ thickness.
- The multiple holes will guide you like a 'dot to dot' in your trimming of the base material.

· Clean denture after trimming from all debris and hand oils.

PLEASE NOTE: cleaning the denture with monomer at this stage is recommended to remove hand oils and debris. However, allow monomer

to $\underline{\mathbf{completely}}$ dry for several minutes before the EasySoft liner $^{\mathsf{TM}}$ adhesive is applied!

- Brush on EasySoft liner™ adhesive where EasySoft liner™ material is desired, wait 30 seconds. DO NOT BLOW DRY.
- Apply a second coat of adhesive to the areas where EasySoft liner™ material is desired. Allow adhesive to dry for the full 2 minutes.
- DO NOT BLOW DRY. • Ensure that the adhesive is applied beyond the prepared periphery. If there

is no adhesive there will be no bonding of EasySoft liner™. Adhesive must be completely dried prior to applying EasySoft liner™ material.

 Apply enough EasySoft liner™ uniformly with a dispensing gun onto the model and the denture base

DO NOT TRIAL PACK EasySoft liner™ material

- Close the flask and place back into the clamping press as used during
- base material processing. Apply enough pressure just to keep the 2 flask halves together tightly during EasySoft liner™ curing
- Immerse the flask and clamp into water bath at 50°C / 120°F for a minimum of 35 minutes.

CHAIRSIDE - INITIAL PLACEMENT

- · clean the denture base thoroughly with water and dry.
- reduce the tissue bearing surface enough to allow for the desired thickness of EasySoft liner™

EasySoft liner™ needs a minimum thickness of 1mm in order to achieve a proper bonding and curing.

- Apply a coat of EasySoft liner™ adhesive and wait 30 seconds. DO NOT BLOW DRY.
- Apply a second coat of adhesive and allow it to dry for 2 minutes. DO NOT BLOW DRY.
- Ensure that the adhesive is applied beyond the prepared periphery.
- Adhesive must be completely dried before applying EasySoft liner™ to the tissue bearing surface.
- Apply the EasySoft liner™ on to the denture uniformly with a dispensing gun (to prevent air bubbles from being trapped, keep the end of the tip
- in the material as you dispense the material). · Insert the denture into the patient's mouth immediately.
- The functional excursions (border moulding) should be done.
- Intraoral setting time 5 minutes.
- Once the denture has been removed from the patient's mouth, immerse the denture with the soft lining into water at 50°C / 122°F for at least 15 minutes (no pressure pot is required) or allow 30 minutes for it to cure at room temperature.

PLEASE NOTE: The silicone sealant does not attain its final mechanical properties until it has been at mouth temperature for 24 hours. Please advice patient to use a super soft toothbrush in order to clean the

To ensure excellent soft linings, the total working time and intraoral setting time must be adhered to exactly. Should the temperature of the material in storage deviate noticeably from 23°C / 74°F, the total working and setting times will be affected.

REPAIRING EASYSOFT LINER™

EasySoft liner™ will adhere to itself without adhesive, providing the existing EasySoft liner™ material is free of debris and hand oils and other contaminants. DO NOT use adhesive to add EasySoft liner™ to EasySoft liner™!

New EasySoft liner™ applied to repair the area, requires the same time and adhesive application instructions as required for all EasySoft liner™ applications

Safety Data Sheet EasySoft Liner™

1. Identification of the substance/preparation and company

1.1 Product details

Trade name:

EasySoft liner catalyst paste + Base paste EasySoft liner silicone sealant catalyst paste + Base paste 1.2 Distributor details: Tel:1-800-661-7429 Karlin Dental Distributors Inc.

211 Bowes Rd., Vaughan, Ontario Fax:(905)532-0704

ON L4K 1H8, Canada https://www.easysoftliner.com 2. Hazards identification

No special hazards have to be mentioned.

3. Composition/information on ingredients

3.1 Chemical characterization: vinylpolysiloxane - filling material -Hardener paste polymethylhydrogensiloxane vinvlpolysiloxane – filling material – ppm platinum Base paste:

siloxane complex

3.2 Additional information: No further information since neither hazardous

substance nor hazardous compound. 4. First aid measures

- 4.1 After contact with skin: No special measures necessary.
- 4.2 After contact with eyes: Eye treatment by an physician. 4.3 After ingestion: No special measures necessary.

5. Fire-fighting measures

5.1 Suitable extinguishing media: Water, foam, CO2, dry chemical extinguisher. 6. Accidental release measures

6.1 Methods for cleaning up/taking up: Pick up mechanically. 7. Handling and storage

7.2 Storage: No special measures necessary. 18-23°C / 64-74°F Do not refrigerate. 8. Exposure controls/personal protection

7.1 Handling: No special measures necessary.

8.1 General protective measures: No special measures necessary.

- 9.1 Appearance: Form: paste Colour: pink Catalyst paste: pink transparent
- Base paste: colourless transparent Odour. odourless 9.2 **Density:** 1.1 - 1.2 g/cm³ at 20°C / 68°F
- 9.3 Solubility in water: Insoluble 9.4 **pH-value:** Neutral 10. Stability and reactivity
- 10.1 Hazardous reactions: No hazardous reactions known.
- 11. Toxicological information 11.1 Acute oral toxicity: 11.2 Irritant effect on skin:
- 11.3 Irritant effect on eyes: Non-irritant. 11.4 Sensitization: Non-sensitizing. 12. Ecological information

LD50: > 2000 mg/kg rat.

Non-irritant.

- 12.1 Environmental precautions: Do not discharge product unmonitored into the environment.
- 13. Disposal considerations 13.1 Product: Disposal in agreement with the Local Waste

Disposal Authority 14. Transport information

- 14.1 Road transport:
- GGVS/ADR: No hazardous goods. Train GGVE/RID: No hazardous goods.

ICAO/IATA-DGR: No hazardous goods.

14.2 Marine transport: IMDG/GGVSee-Code: No hazardous goods. 14.3 Air transport:

15. Regulatory information 15.1 Labelling: The product does not require a hazardous warning label.

16. Other information

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application

Revised: October 2020

1.1 Product details Trade name: EasySoft liner Adhesive 1.2 Distributor details:

When used as directed: None Highly flammable.

3. Composition/information on ingredients

polymethyl methacrylate - copolymer - ethyl acetate

- 4.1 After inhalation: Remove the casualty into fresh air and keep calm. 4.2 After contact with skin: Wash off with soap and water. Remove
- contaminated clothing.

5.1 Suitable extinguishing media:

- 6. Accidental release measures
- Do not inhale vapours/aerosols. 6.2 Environmental precautions: Do not discharge product unmonitored

7.1 **Handling**: Ensure adequate ventilation. Keep away from sources

- into the environment.
- of ignition, refrain from smoking. 7.2 Storage: Keep container tightly closed and store in a dark
- 8.1 General protective measures: Do not inhale vapours. Avoid contact with skin and mucous membranes

9. Physical and chemical properties

Karlin Dental Distributors Inc. Tel:1-800-661-7429 Fax:(905)532-0704 211 Bowes Rd., Vaughan, Ontario ON L4K 1H8, Canada https://www.easysoftliner.com

2. Hazards identification

Irritating to eyes and skin.

Chemical characterization:

- 4. First aid measures
- 4.3 After contact with eyes: Rinse thoroughly with water and contact 4.4 After ingestion: Contact physician immediately. Drink plenty of water.
- 5. Fire-fighting measures
- Extinguishing powder, foam
- 6.1 Personal precautions: Ensure adequate ventilation. Keep away from sources of ignition, refrain from smoking.
- 6.3 Methods for cleaning up/taking up: Pick up mechanically. 7. Handling and storage
- well-ventilated place. Do not refrigerate. 8. Exposure controls/personal protection
- 9.1 Appearance: Form: liquid Colour: colourless

Odour: fruit-like

Material Safety Data Sheet EasySoft Liner TM Adhesive (Bonding Agent)™

9.2 Changes in physical state: Boiling point: < 77°C / 171°F Flash point: - 4°C / 25°F

> Density: 0.9 g/cm³ Solubility in water: insoluble (20°C / 68°F)

> > 10. Stability and reactivity 10.1 Hazardous reactions: Vapours can form an explosive mixture with air.

Ignition temperature: 460°C / 860°F

Explosion limit: 2.1 – 11.5 vol. %

Vapour pressure: 97 hPa

11.1 Acute oral toxicity: LD50: > 5000 mg/kg rat. 11.2 Irritant effect on skin: Has a degreasing effect on the skin.

11.3 Irritant effect on eyes: Irritations possible.

12. Ecological information 12.1 Environmental precautions: Do not discharge product unmonitored into the environment

collection centres

11. Toxicological information

13. Disposal considerations 13.1 Product: Dispose remaining material at hazardous or special waste

13.2 Packaging: Completely emptied packaging can be recycled.

- 14. Transport information 14.1 Road transport:
- GGVE/RID: class 3 packing group II 14.2 Marine transport:

14.3 Air transport:

14.4 Further information:

15.1 Hazard symbols:

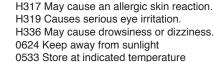
Hazard statements:

IMDG/GGV Code: 3 EmS: 3-07 packing group II

GGVS/ADR: class 3 packing group II

UN-number: 1173 Correct technical name: ethyl acetate 15. Regulatory information

ICAO/IATA-DGR: class 3 packing group II



H225 Highly flammable liquid and vapour.



Revised: October 2020

16. Other information

0626 Keep away from rain

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Results are furnished to the best of our knowledge, subject to technical changes within the framework of product development. However, users must comply with and consider all recommendations and information in connection with any

Manufactured for: Karlin

211 Bowes Rd., Vaughan, Ontario

Dental Distributors

L4K 1H8, Canada Tel: 1-877-922-2622