

RECOMMENDED INDICATIONS

- 1. Direct restorative for enamel, D, L, U, M, V cavities.
2. Direct restorative for wedge-shaped defects and root surface cavities.
3. Restorative for veneers and direct face closure.
CONTRAINDICATIONS
1. Pulling cavity.
2. Avoid use of this product in patients with known allergies to methacrylate monomer or methacrylate polymer.

DIRECTIONS FOR USE

- 1. Shade Selection
- Make sure the tooth to be restored is clean and not hydrated.
- Select first an enamel shade, looking to the initial third of the tooth.
- Light-cure the filling for 20 seconds.
2. Bonding Treatment
- Prepare the surface of the enamel and/or dentin. Use a light-cure bonding system such as G-Premio Bond, G-Premio Bond or G-BOND. Follow the manufacturer's instructions.

- 3. Masking Layer
- Apply the Masking Layer promptly and remove the cap by turning counterclockwise.
- Press the extension of the material gently against the dispensed tip to the springing to turn locking clockwise.
4. Placement of the Masking Layer
- Press the extension of the material gently against the springer plunger outside the mouth to make sure that the dispensed tip is securely attached to the springer.
5. Dispensing
- Note: If there is air inside the dispensing tip, air bubbles may be formed at the time of injection.

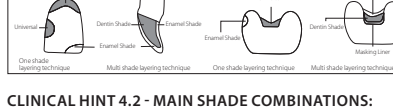
- 6. Dispensing
- Dispense the material in a controlled manner as possible to the cavity, and slowly push the plunger to inject material into it.
- Alternatively, dispense material onto a mixing pad and using a spatula transfer the material to the cavity.
- After use, immediately remove and dispose of the dispensing tip and tightly close the springer with the cap.

- 7. Masking Layer
- The Masking Layer can be used to mask cavity bottom discolorations.
- The Masking Layer can be used to achieve aesthetic posterior restorations in a single layer.
- The Dentin and Enamel shades should be used following a shading concept. Refer to Clinical trials for additional details.
8. A composite can be stored in the fridge in order to obtain additional shade options. Material may be hardened more immediately after removing from cold storage. Prior to use, let stand for a few minutes at room temperature.

Clinical Uses

- 1. In the case of small cavities
- Restore using a one shade technique. In most cases the use of the Universal shade should be sufficient.
2. In the case of large and deep cavities
- In most cases a multi-shade layering technique will give the best aesthetic results. Use most discolorated dentin, use most discolored enamel, continue to use the appropriate Dentin shade, and then cover it with an Enamel shade.

CLINICAL HINT 4.1 - EXAMPLES OF CLINICAL APPLICATIONS



CLINICAL HINT 4.2 - MAIN SHADE COMBINATIONS

Table with 6 columns: Young, Adult, Senior, Posterior Mono, Posterior Duo. Rows: Black/Junior, Dentin, Enamel, Masking Layer, Modifiers.

C. Use of the modifier syringes

- 1. The Opalescent modifier can be used to add opalescence to the incisal area, using a small thickness into the enamel layer.
2. Red-Brown, Black and White modifiers are liquid stains that can be used to create a natural appearance.

2. Finishing and Polishing

- 1. Finish using diamond burs, polishing points and discs. To obtain a high gloss, polishing pastes can be used.

SHADES

- 1. LD: Light Dentin
2. DD: Dark Dentin
3. DE: Dark Enamel
4. LE: Light Enamel
5. U: Universal
6. M: Masking Layer
7. RBM: Red-Brown Modifier
8. WM: White Modifier

STORAGE

Recommended for optimal performance, store in a cool and dark place at 25°C (77°F - 79°F).

PACKAGES

- 1. 3-syringe Starter Kit Syringe
2. 1-syringe Starter Kit Syringe
3. 2-syringe Starter Kit Syringe

2. Essenta Starter Kit

- 1. 1-syringe Light-cure
2. 1-syringe Dark-cure
3. 1-syringe Red-Brown Modifier
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III. Accessories

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NOTES

- 1. Material should be placed and light-cured in layers. For maximum layer thickness, please consult the above table.
2. Excessive light intensity may cause insufficient curing or discoloration of the material.

1. Contact with oral tissue or skin, remove immediately with cotton or a sponge soaked in alcohol. Wash with water. To avoid contact, a rubber dam and/or isolation system should be used to isolate the operator from the skin or oral tissue.

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RECOMMENDED INDICATIONS

- 1. Direct restorative for enamel, D, L, U, M, V cavities.
2. Direct restorative for wedge-shaped defects and root surface cavities.
3. Restorative for veneers and direct face closure.
CONTRAINDICATIONS
1. Pulling cavity.
2. Avoid use of this product in patients with known allergies to methacrylate monomer or methacrylate polymer.

DIRECTIONS FOR USE

- 1. Shade Selection
- Make sure the tooth to be restored is clean and not hydrated.
- Select first an enamel shade, looking to the initial third of the tooth.
- Light-cure the filling for 20 seconds.
2. Bonding Treatment
- Prepare the surface of the enamel and/or dentin. Use a light-cure bonding system such as G-Premio Bond, G-Premio Bond or G-BOND. Follow the manufacturer's instructions.

- 3. Masking Layer
- Apply the Masking Layer promptly and remove the cap by turning counterclockwise.
- Press the extension of the material gently against the dispensed tip to the springing to turn locking clockwise.
4. Placement of the Masking Layer
- Press the extension of the material gently against the springer plunger outside the mouth to make sure that the dispensed tip is securely attached to the springer.
5. Dispensing
- Note: If there is air inside the dispensing tip, air bubbles may be formed at the time of injection.

- 6. Dispensing
- Dispense the material in a controlled manner as possible to the cavity, and slowly push the plunger to inject material into it.
- Alternatively, dispense material onto a mixing pad and using a spatula transfer the material to the cavity.
- After use, immediately remove and dispose of the dispensing tip and tightly close the springer with the cap.

Clinical Uses

- 1. In the case of small cavities
- Restore using a one shade technique. In most cases the use of the Universal shade should be sufficient.
2. In the case of large and deep cavities
- In most cases a multi-shade layering technique will give the best aesthetic results. Use most discolorated dentin, use most discolored enamel, continue to use the appropriate Dentin shade, and then cover it with an Enamel shade.

CLINICAL HINT 4.1 - EXAMPLES OF CLINICAL APPLICATIONS



CLINICAL HINT 4.2 - MAIN SHADE COMBINATIONS

Table with 6 columns: Young, Adult, Senior, Posterior Mono, Posterior Duo. Rows: Black/Junior, Dentin, Enamel, Masking Layer, Modifiers.

C. Use of the modifier syringes

- 1. The Opalescent modifier can be used to add opalescence to the incisal area, using a small thickness into the enamel layer.
2. Red-Brown, Black and White modifiers are liquid stains that can be used to create a natural appearance.

2. Finishing and Polishing

- 1. Finish using diamond burs, polishing points and discs. To obtain a high gloss, polishing pastes can be used.

SHADES

- 1. LD: Light Dentin
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3. DE: Dark Enamel
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CONTRAINDICATIONS
1. Pulling cavity.
2. Avoid use of this product in patients with known allergies to methacrylate monomer or methacrylate polymer.

DIRECTIONS FOR USE

- 1. Shade Selection
- Make sure the tooth to be restored is clean and not hydrated.
- Select first an enamel shade, looking to the initial third of the tooth.
- Light-cure the filling for 20 seconds.
2. Bonding Treatment
- Prepare the surface of the enamel and/or dentin. Use a light-cure bonding system such as G-Premio Bond, G-Premio Bond or G-BOND. Follow the manufacturer's instructions.

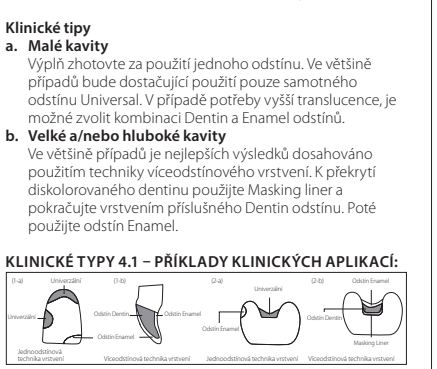
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4. Placement of the Masking Layer
- Press the extension of the material gently against the springer plunger outside the mouth to make sure that the dispensed tip is securely attached to the springer.
5. Dispensing
- Note: If there is air inside the dispensing tip, air bubbles may be formed at the time of injection.

- 6. Dispensing
- Dispense the material in a controlled manner as possible to the cavity, and slowly push the plunger to inject material into it.
- Alternatively, dispense material onto a mixing pad and using a spatula transfer the material to the cavity.
- After use, immediately remove and dispose of the dispensing tip and tightly close the springer with the cap.

Clinical Uses

- 1. In the case of small cavities
- Restore using a one shade technique. In most cases the use of the Universal shade should be sufficient.
2. In the case of large and deep cavities
- In most cases a multi-shade layering technique will give the best aesthetic results. Use most discolorated dentin, use most discolored enamel, continue to use the appropriate Dentin shade, and then cover it with an Enamel shade.

CLINICAL HINT 4.1 - EXAMPLES OF CLINICAL APPLICATIONS



CLINICAL HINT 4.2 - MAIN SHADE COMBINATIONS

Table with 6 columns: Young, Adult, Senior, Posterior Mono, Posterior Duo. Rows: Black/Junior, Dentin, Enamel, Masking Layer, Modifiers.

C. Use of the modifier syringes

- 1. The Opalescent modifier can be used to add opalescence to the incisal area, using a small thickness into the enamel layer.
2. Red-Brown, Black and White modifiers are liquid stains that can be used to create a natural appearance.

2. Finishing and Polishing

- 1. Finish using diamond burs, polishing points and discs. To obtain a high gloss, polishing pastes can be used.

SHADES

- 1. LD: Light Dentin
2. DD: Dark Dentin
3. DE: Dark Enamel
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5. U: Universal
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STORAGE

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1. Contact with oral tissue or skin, remove immediately with cotton or a sponge soaked in alcohol. Wash with water. To avoid contact, a rubber dam and/or isolation system should be used to isolate the operator from the skin or oral tissue.

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1. Contact with oral tissue or skin, remove immediately with cotton or a sponge soaked in alcohol. Wash with water. To avoid contact, a rubber dam and/or isolation

For your use, please refer to the instructions for use.

Essentia® Light-cured radiopaque universal composite restorative.

For only by a dental professional in the recommended indications.

RECOMMENDED INDICATIONS

- Direct restorative for class II, III, IV, V cavities.
- Direct restorative for wedge-shaped defects and root surface cavities.
- Direct restorative for veneers and diastema closure.

CONTRAINDICATIONS

- Patients with severe allergic reactions to the components.
- Avoid use of this product in patients with known allergies to methacrylate monomer or methacrylate polymer.

DIRECTIONS FOR USE

1. Shade Selection

- Prepare the tooth to be restored is clean and not dehydrated.
- Select first an enamel shade, looking to the incisal third of the (neighboring) tooth. Based on the observed chroma (intensity of the color), choose between Light Dentin (gray chroma), Medium Dentin (light brown chroma), Medium Dentin and Dark Dentin (high chroma).

2. Cavity Preparation

- Prepare the cavity using standard techniques. Dry by gently blowing with oil free air.
- Note for pulp capping, use calcium hydroxide.

3. Bonding Treatment

- Apply Essentia to enamel and / or dentin, use a light-cured bonding system such as G-Premio BOND, G-emial® Bond or G-BOND®.

4. Filling the cavity

- Follow the manufacturer's instructions.

5. Finishing

- Use a Masking Liner.

6. Masking Liner

- Hold the syringe upright and remove the cap by turning counterclockwise. Promptly and securely attach the dispensing tip to the syringe by turning clockwise.

- Prior to the extrusion of the material, gently tilt-pull the syringe plunger outside the mouth to make sure that the dispensing tip is securely seated. Do not release the dispensing air from the dispensing tip, gently push forward the syringe plunger with the tip pointing upwards until the material reaches the mouth of the tip.

- Note: If there is air inside the dispensing tip, bubbles may be formed at the time of injection.

- Place the dispensing tips close as possible to the cavity, and slowly push the plunger to inject material. Alternatively, dispense material directly into a mixing pad and transfer to the cavity using a suitable instrument.

- After use, immediately remove and dispose of the dispensing tip and tightly close the syringe with the cap.

Dentin, Enamel, Universal shades and Opalescent modifier

- Dispensing from a syringe. Operate the syringe as described on a mixing pad. Place the material into the cavity using a suitable placement instrument. After dispensing, screw plunger anticlockwise by a half to increase the release residual pressure inside the syringe. Close cap immediately after use.

- Dispensing from a Unipit Insert the unipit into a commercially available syringe. Refer to the applicator manual for instructions for use. Remove the cap and extrude material directly into the prepared cavity. Use steady pressure.

• Modifier stains (Red-Brown, Black, White)

- Open syringe cap and dispense material onto a mixing pad. Apply the material on the Dentin shade or Enamel shade using a brush or a suitable placement instrument.

Note: Modifier stains are inner stain materials. They should always be covered with Enamel shades or Opalescent modifier after light curing.

- The Masking Liner can be used to mask cavity bottom discolorations.

- The Universal shade can be used to achieve aesthetic posterior restorations in a single layer.

- The Dentin and Enamel shades should be used following a layer-by-layer concept. Refer to Clinician Hints for additional details.

- A. The composite can be stored in the fridge in order to obtain a firmer consistency. Material may be softened immediately after removal from cold storage. Prior to use, it should be kept for a few minutes at room temperature.

- L. Working with a brush wetted with a modeling liquid can ease the shaping of the composite.

- After finishing, minimize exposure to ambient light. Ambient light can shorten the manipulation time.

Clinical Hints

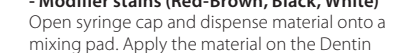
a. In the case of small cavities

- Restore using a one shade technique. In most cases, a single Universal shade alone will be sufficient. In cases where a higher degree of translucency is needed, a combination of Dentin and Enamel shades should be selected.

b. In the case of large and/or deep cavities

- In most cases a multi-shade layering technique will give the best aesthetic results. To mask discolored dentin, use the Masking Liner and continue to build up with an appropriate Dentin shade, and then cover it with an Enamel shade.

Clinical Hint 4.1 - EXAMPLES OF CLINICAL APPLICATIONS



Clinical Hint 4.2 - MAIN SHADE COMBINATIONS

Blendch Junior	Young	Adult	Senior	Posterior Mono	Posterior Duo
Light Dentin	Medium Dentin	Medium Dentin	Dark Dentin	Universal	Dentin & Enamel

c. Use of the modifier syringes

- The Opalescent modifier can be used to add opalescence to the incisal area, using a small brush to restore on the enamel layer.

- Red-Brown, Black and White modifiers are liquid stains used to characterize the restoration.

5. Contouring before light-curing

- Use standard techniques.

Light-curing

- Light cure Essentia using a light curing unit. Keep the light source as close as possible to the surface.

See the following chart for Irradiation Time and Effective Depth of Cure.

Irradiation Time and Effective Depth of Cure

Dentin Shades	20 sec. (Algores® LED) (7000mW/cm²)	30 sec. (Algores® LED) (7000mW/cm²)
LD	2.0mm	2.5mm
MD	1.5mm	2.0mm
DD	1.5mm	2.0mm

Enamel & Universal Shades	20 sec. (Algores® LED) (7000mW/cm²)	30 sec. (Algores® LED) (7000mW/cm²)
LD, DE, U	1.5mm	2.0mm
ML	1.5mm	2.0mm
OM	1.5mm	2.0mm
RB	1.5mm	2.0mm
WB	1.5mm	2.0mm

Modifiers

Weight	LD,MD,DD	LE,DE	U
Volume	0.27g	0.39g	0.39g
Volume	0.16ml	0.16ml	0.16ml

1. Essentia Starter Kit Unipit

- 30 Unipits (5 unipits per shade: LD, MD, DD, LE, DE, U)

2. Essentia Modifier Kit

- 4 Syringes: OM, RBM, BM, WM

3. Essentia Spraying Refills

- 5 Spraying Caps: LD, U, OM, RBM, BM, WM available in refill of 1 syringe each

4. Masking Liner

- ML: refill of 1 syringe including 20 Dispensing Tips III Plastic + light-protective cover

5. Essentia Modifier Kit

- 4 Syringes: OM, RBM, BM, WM

6. Essentia Spraying Refills

- 5 Spraying Caps: LD, U, OM, RBM, BM, WM available in refill of 1 syringe each

7. Masking Liner

- ML: refill of 1 syringe including 20 Dispensing Tips III Plastic + light-protective cover

8. Essentia Modifier Kit

- 4 Syringes: OM, RBM, BM, WM

9. Essentia Spraying Refills

- 5 Spraying Caps: LD, U, OM, RBM, BM, WM available in refill of 1 syringe each

10. Masking Liner

- ML: refill of 1 syringe including 20 Dispensing Tips III Plastic + light-protective cover

11. Essentia Starter Kit Unipit

- 30 Unipits (5 unipits per shade: LD, MD, DD, LE, DE, U)

12. Essentia Modifier Kit

- 4 Syringes: OM, RBM, BM, WM

13. Essentia Spraying Refills

- 5 Spraying Caps: LD, U, OM, RBM, BM, WM available in refill of 1 syringe each

14. Masking Liner

- ML: refill of 1 syringe including 20 Dispensing Tips III Plastic + light-protective cover

15. Essentia Modifier Kit

- 4 Syringes: OM, RBM, BM, WM

16. Essentia Spraying Refills

- 5 Spraying Caps: LD, U, OM, RBM, BM, WM available in refill of 1 syringe each

17. Masking Liner

- ML: refill of 1 syringe including 20 Dispensing Tips III Plastic + light-protective cover

18. Essentia Modifier Kit

- 4 Syringes: OM, RBM, BM, WM

19. Essentia Spraying Refills

- 5 Spraying Caps: LD, U, OM, RBM, BM, WM available in refill of 1 syringe each

20. Masking Liner

- ML: refill of 1 syringe including 20 Dispensing Tips III Plastic + light-protective cover

21. Essentia Modifier Kit

- 4 Syringes: OM, RBM, BM, WM

22. Essentia Spraying Refills

- 5 Spraying Caps: LD, U, OM, RBM, BM, WM available in refill of 1 syringe each

23. Masking Liner

- ML: refill of 1 syringe including 20 Dispensing Tips III Plastic + light-protective cover

24. Essentia Modifier Kit

- 4 Syringes: OM, RBM, BM, WM

25. Essentia Spraying Refills

- 5 Spraying Caps: LD, U, OM, RBM, BM, WM available in refill of 1 syringe each

26. Masking Liner

- ML: refill of 1 syringe including 20 Dispensing Tips III Plastic + light-protective cover

2. Essentia Unipit Refills

- LD, MD, DD, LE, DE, U: available in refills of 15 unipits each

III. Accessories

- Essentia Shade Guide
- GC Unipit Applicator II
- Dispensing Tip III Plastic
- Mixing Pad (No. 148)

NOTES:

Weight and volume per syringe:

Weight	LD,MD,DD	LE,DE	U
Volume	0.27g	0.39g	0.39g
Volume	0.16ml	0.16ml	0.16ml

Weight and volume per unipit:

Weight	LD,MD,DD	LE,DE	U
Volume	0.018g	0.026g	0.026g
Volume	0.01ml	0.01ml	0.01ml

CAUTION

- In case of contact with oral tissue or skin, remove immediately with cotton or a sponge soaked in alcohol. Flush with water. To avoid contact, a rubber dam and/or cocoa butter can be used to isolate the operation field from the skin or oral tissue.

- In case of contact with eyes, flush immediately with water and seek medical attention.

- Take care not to ingest the material.
- Prior to starting the filling process, partially extrude paste outside of the patient's mouth and away from the patient to ensure paste is flowing properly.

- Wear plastic or rubber gloves during operation to avoid direct contact with air inhibited resin layers in order to prevent possible sensitization.
- For infection control reasons, unipits are for single patient use only.

- Wear eye-protective glasses during light-curing. When polishing the polymerized material, use a dust collector and wear a dust mask to avoid eye irritation.
- Do not mix with other similar products.
- Always getting material on clothing.

- In case of contact with unintended areas of tooth or gingiva, remove with instrument, sponge, or cotton pellet before light-curing.
- Do not use Essentia in combination with eugenol-containing materials as eugenol may hinder Essentia from setting.

- In rare cases the product may cause sensitivity in some people. If any such reactions are experienced, discontinue the use of the product and refer to a dentist.
- Do not wipe the dispensing tip with excessive alcohol as this may cause contamination of the paste.

Some products referenced in the present FOI may be subject to change without notice. Always familiarize yourself with the safety data sheets available at: <http://www.gceurope.com>

This can also be obtained from your supplier. Last revised: 05/2019

Gebruiksaanwijzing Essentia

Essentia® Lichthardendes, röntgenpakes Universal-Composit für Restaurationen.

Darf nur von zahntechnischem Fachpersonal bei den angegebenen Indikationen verwendet werden.

EMPFÄHLENDI INDIKATIONEN

- Direktes Restaurationmaterial für Kavitäten der Klassen I, II, III, IV und V.
- Direktes Restaurationmaterial für keilförmige Defekte sowie für die Herstellung von Zahnlücken.
- Direktes Restaurationmaterial für Verbindungen und Diastema-Verschlüsse.

KONTRAINDIKATIONEN

- Bei Patienten mit Allergien gegenüber den Komponenten.
- Vermeiden Sie die Verwendung dieses Produkts bei Patienten mit bekannten Allergien gegen Methacrylat-Monomer oder Methacrylat-Polymer.

GERÄUCHSABMILDUNG

- Stellen Sie sicher, dass der zu restaurierende Zahn sauber und nicht dehydratisiert ist.
- Zunächst unter Betrachtung des inzisalen Drittels der restaurierten Zähne ein geeignetes Schmelz-Farbtönen auswählen. Basierend auf dem beobachteten Wert (Grauton) zwischen Light Enamel (hell Schmelz, weißer) und Dark Enamel (dunkler Schmelz, gelber) auswählen.
- Unter Betrachtung des zervikalen Anteils der (angrenzenden) Zähne mit der Auswahl des Dentin-Farbtönen fortfahren. Basierend auf der beobachteten Chroma (Intensität der Farbe) zwischen Light Dentin (hell Dentin, niedriges Chroma), Medium Dentin (mittleres Dentin, mittleres Chroma) und Dark Dentin (dunkles Dentin, hohes Chroma) auswählen.
- Bei kleineren oder posterioren Restaurationen passt meist der Universal-Farbtönen.
- Um Verfärbungen zu überdecken, eine dünne Schicht des Masking Liners auf die Verfärbung auftragen und polieren.

2. Vorbereitung der Kavität

- Kavität mit dem Standardverfahren vorbereiten. Mit offener Luft spritz trocknen.
- Die restlichen Polier- und Schleifstufen des Kalziumhydroxid verwenden.

3. Bondung

- Zum Bonden von Essentia an Schmelz und/oder Dentin ein lichtendes Bondingsystem verwenden. G-Premio BOND, G-emial® Bond oder G-BOND® verwenden. Die jeweilige Gebrauchsanleitung des Herstellers befolgen.

4. Platzierung von Essentia

- Die Spritze aufrecht halten und die Kappe durch Drehen entgegen des Uhrzeigersinns entfernen. Die beiliegende Dosierring durch Drehen im Uhrzeigersinn anbringen.
- Vor dem Herausdrücken des Materials den Spritzenkolben außerhalb des Mundraums zur Probe sanft eindrücken, um sicherzustellen, dass das Material sich auf der Spritze sitzt. U. eventuell angesammelte Luft aus der Dosierring zu entfernen, den Spritzenkolben bei nach oben gehaltenen Spitze sanft nach vorne drücken, bis das Material die Öffnung der Spitze erreicht hat.

5. Polieren

- Das Material in die Kavität zu drücken, um das Material in die Kavität zu füllen. Alternativ das Material auf einen Amalgamblock geben und mit einem geeigneten Instrument in die Kavität geben.
- Nach dem Einsetzen des Dosierrings Schmelzschmelz und verschließen Sie die Spritze mit der dazugehörigen Kappe.

-Dentin-, Schmelz-, Universal-Farbtöne und Opalescent Modifier

- Entnehmen aus der Spritze Die Spritzenkappe öffnen und das Material auf einen Amalgamblock drücken. Das Material mit dem Instrument sanft gegen den Spatzen drücken, um den Dentin- oder Schmelzfarbtönen aufbringen.

Hintweis: Modifikator-Farbtöne sind Farbmaterialien für innere Schichten. Sie sollten nach der Lichtcuring immer mit Masking-Linern oder dem Opalescent-Modifier abgedeckt werden.

- Entnehmen aus dem Unipit Den Unipit in einen handelsüblichen Applikator einsetzen. Dabei die Gebrauchsanleitung des Herstellers befolgen.

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Hintweis: Modifikator-Farbtöne sind Farbmaterialien für innere Schichten. Sie sollten nach der Licht

