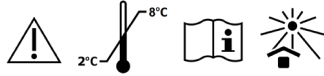


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Dline Dual Curing Adhesive Resin Cement

Dual curing adhesive resin cement for the permanent cementation of indirect restorations including ceramic, composite and metal-based inlays, onlays, crowns and bridges; for the permanent cementation of posts



INSTRUCTION FOR USE

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DESCRIPTION

dline Dual Curing Adhesive Resin Cement is a dual curing, radiopaque cement, based on methacrylate resins and micro sized Barium/Silica glass filler particles.

dline Dual Curing Adhesive Resin Cement is a high strength, highly resistant device with optimal bonding characteristics. The use of automix tips ensures homogenous mixture which can be placed directly into the restoration.

INSTRUCTION FOR USE

NOTE! Do not use if primary package is broken. It is recommended to use cofferdam during application of the device. Tips are single use only.

Preparation

1. Remove the temporary restoration.
2. Clean the surface, rinse with water and dry with air. Avoid over drying. The surface must remain glossy.
3. Try in the permanent restoration to ensure proper fit.
4. Apply layer of etch, such as dline Phosphoric Acid Etching Gel on all surface to be etched. Follow instruction for use for etch. Leave etch in place for 15 seconds (dentine), 30 seconds (enamel). Rinse with water and dry with air. Avoid over drying dentin. After drying, the surface appears chalky and must not be contaminated prior to applying the adhesive. If the surface becomes contaminated with saliva, rinse and dry again and re-etch if necessary.
5. Apply a thin layer of light curing adhesive, such as dline Light Curing Adhesive Resin Cement immediately onto etched surface or dual cure adhesive for post cementation. Follow instruction for use for adhesive.
6. Remove dline Dual Curing Adhesive Resin Cement syringe cap.
7. Promptly and carefully attach the automix tip or intraoral-root canal tip to the syringe.
8. Test flow of material from automix tip before using.
9. Squeeze out a 1-2mm of paste onto a mixing pad to equal the base paste and catalyst paste in the automix tip. Do not use the paste which has been squeezed out.

Placement

NOTE! Do not use in direct contact with pulp tissue. As dline Dual Curing Adhesive Resin Cement highly adhesive, clean all instruments before cement set on.

INLAYS/ONLAYS:

1. Dispense the cement directly into the restoration. Cover all surfaces.
2. Seat the restoration firmly onto the preparation. Stabilize until cement is fully set.

CROWNS/BRIDGES:

1. Dispense the cement directly into the restoration. Cover all surfaces.
2. Seat the restoration firmly onto the preparation. Let the cement flow from all margins. Stabilize until cement is fully set.

POSTS:

1. Mount the intraoral-root canal tip onto the automix tip and dispense the cement directly into the canal.
2. Seat the post carefully and rotate slightly to avoid trapping air. Let the cement flow from the canal space. Light cure for 10 seconds to fix the position of the post. Use any polymerization lamp with light intensity $\geq 700\text{mW/cm}^2$ and the wavelength range of 400-500nm (blue light). Stabilize until cement is fully set.

Finishing

1. After the restoration is properly seated and while the cement is in rubbery state remove all excess cement with scaler or explorer. Rubbery state can be achieved by light cure for approx. 2-3 seconds or by allowing the cement to self-cure for approx. 30 seconds - 1 minute after application.
2. Light cure for 20-30 seconds all surfaces and margins after removal of all excess cement. Use any polymerization lamp with light intensity $\geq 700\text{mW/cm}^2$ and the wavelength range of 400-500nm (blue light). Finish restoration.

NOTE!

- a) Working time at 23°C is about 1 minute 30 seconds to 2 minutes. Chemical setting time at 37°C is about 2 minutes to 2 minutes 30 seconds. Light curing time per surface is 20-30 seconds.
- b) The setting time depends on the ambient and oral temperature. Increased temperature will reduce the working/setting time. Vice versa decreased temperature will prolong the working/setting time.
- c) The cement is sensitive to light. The working time significantly reduces during application under intensive lighting.
- d) When removing dline Dual Curing Adhesive Resin Cement from refrigerator after storage, leave the material at ambient temperature for some time until warm-up.
- e) After the desired amount of material extruded, immediately close the syringe, so that the material is not unlighted.

WARNINGS AND PRECAUTIONS!

NOTE! The device contains methacrylate monomers. Do not use dline Dual Curing Adhesive Resin Cement if patient is allergic to device or to any of the ingredients.

Hazard and precautionary statements:

Uncured device causes serious eye irritation, skin irritation, may cause an allergic skin reaction or respiratory irritation, harmful if swallowed. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. **IF ON SKIN OR MUCOSA:** Wash with plenty of water. If skin/mucosa irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash

before reuse. **IF SWALLOWED:** Rinse mouth. Call a Poison Center or doctor/physician if you feel unwell. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.

Prevention:

Wash hands thoroughly after handling. Use only in a well-ventilated area. It is recommended to wear protective gloves/protective clothing/eye protection/face protection for doctor and patient. Tightly close syringe by replacing original cap immediately after use.

Interaction with other substances:

dline Dual Curing Adhesive Resin Cement should not be used with products containing eugenol and hydrogen peroxide.

STORAGE

Keep container tightly closed in dry well-ventilated place at 2-8°C (preferable in refrigerator). Protect from direct sunlight and heat sources. Do not freeze the device. Do not use after the expiry date. Dispose of contents/container to as required by national regulatory requirements. Keep out of the reach of children!

MANUFACTURERS RESPONSIBILITY

Our devices have been developed for professional use in dentistry. As the application of our devices is beyond our control, the user is fully responsible for the application. Of course, we guarantee the quality of our devices in accordance with the applied standards.

PACKAGING

REF 17520 8g syringe, 10pcs automix tips (for inlays/onlays, crowns, bridges), 10pcs intraoral-root canal tips (for posts)

Made in EU for Dline OU
www.dline.ee



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