

Adhesive Resin Cement

ESTECEM Plus

ENGLISH
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Read all information, precautions and notes before using.

■PRODUCT DESCRIPTION AND GENERAL INFORMATION

- ESTECEM Plus is a dual-cure (light and/or self-cure), radiopaque, adhesive resin cement system with excellent handling, esthetic and adhesive properties to teeth and all prosthetic materials. The main components of the ESTECEM Plus KIT are the PASTE (A) and PALFIQUE UNIVERSAL BOND (A/B). The PASTE is dispensed in an automix syringe and is available in various shades (Universal, Clear, Brown and White-opaque). PALFIQUE UNIVERSAL BOND promotes the adhesion of PASTE to tooth structure. PALFIQUE UNIVERSAL BOND also enhances the adhesion of PASTE to all prosthetic materials.
- The PASTE contains Bisphenol A di(2-hydroxy propox) dimethacrylate (Bis-GMA), Triethylene glycol dimethacrylate (TEGDMA), Bisphenol A polyethoxy methacrylate (Bis-MPEPP), Peroxide, Camphorquinone and Silica-Zirconia Filler (Filler Load 74 wt%).
- PALFIQUE UNIVERSAL BOND contains Phosphoric acid monomer, Bisphenol A di(2-hydroxy propoxy) dimethacrylate (Bis-GMA), Triethylene glycol dimethacrylate (TEGDMA), 2-Hydroxyethyl methacrylate (HEMA), MTU-6 (monomer monomers), Silane coupling agent, Peroxide, Borate catalytic, Acetone, Isopropanol and Purified water.

■INDICATIONS

- Cementation of crowns, bridges, inlays, and onlays made of glass/oxide ceramics (porcelain, zirconia and alumina), metals/alloys (precious and non-precious) and resin materials including inorganic filler (composite materials).
- Repair of fractured porcelain fused to metal crowns and all ceramic restorations.
- Cementation of veneers.
- Cementation of adhesion bridges.
- Cementation of metal or resin cores, metal or glass-fiber posts.

■CONTRAINDICATIONS

ESTECEM Plus contains methacrylic monomers, organic solvents and acids. DO NOT use ESTECEM Plus for patients allergic to or hypersensitive to methacrylic monomers, related monomers, organic solvents and acids.

■PRECAUTIONS

- Use PALFIQUE UNIVERSAL BOND as primer for ESTECEM Plus PASTE. DO NOT use other primers or adhesives as primer for the adhesive surfaces.
- DO NOT use ESTECEM Plus for any purpose other than those listed in these instructions. Use ESTECEM Plus only as directed herein.
- ESTECEM Plus is designed for sale and use by licensed dental care professionals only. It is not designed for sale nor is it suitable for use by non-dental care professionals.
- DO NOT use ESTECEM Plus KIT, PASTE, or PALFIQUE UNIVERSAL BOND if the safety seals are broken or appear to have been tampered with.
- If ESTECEM Plus causes an allergic reaction or oversensitivity, discontinue its use immediately.
- Use examination gloves (plastic, vinyl or latex) at all times when handling ESTECEM Plus to avoid the possibility of allergic reactions from methacrylic monomers. Do NOT use gloves made of nitrile, neoprene or natural latex. Do NOT use gloves if the PASTE, or PALFIQUE UNIVERSAL BOND comes in contact with the examination gloves, remove and dispose of the gloves, and wash hands thoroughly with water as soon as possible.
- Avoid contact of the PASTE, or PALFIQUE UNIVERSAL BOND with eyes, mucosal membrane, skin and clothing.

- If the PASTE, or PALFIQUE UNIVERSAL BOND comes in contact with the eyes, thoroughly flush eyes with water and immediately contact an ophthalmologist.
- If the PASTE, or PALFIQUE UNIVERSAL BOND comes in contact with the mucosal membrane, wipe the affected area immediately, and thoroughly flush with water after the restoration is seated. PALFIQUE UNIVERSAL BOND affected areas may whiten from protein coagulation, but such whitening should disappear within 24 hours. If such whitening does not disappear within 24 hours, immediately contact a physician, and the patient should be so advised.
- If the PASTE or PALFIQUE UNIVERSAL BOND comes into contact with the skin or clothing, immediately saturate the area with alcohol-soaked cotton swab or gauze.

- Instruct the patient to rinse his mouth immediately after treatment.
- If the PASTE or PALFIQUE UNIVERSAL BOND should not be ingested or aspirated. Ingestion or aspiration may cause serious injury.
- To avoid the unintentional ingestion of the PASTE or PALFIQUE UNIVERSAL BOND, do not leave it unattended within the reach of patients and children.
- DO NOT expose PALFIQUE UNIVERSAL BOND or the vapor to open flame because PALFIQUE UNIVERSAL BOND is flammable.
- DO NOT use PALFIQUE UNIVERSAL BOND.
- To avoid cross infection or lowering bond strength, DO NOT reuse the disposable applicator and the disposable mixing well. Clean the mixing well thoroughly with alcohol after each use.
- DO NOT use ESTECEM Plus directly to the cavity being in close proximity to the pulp. Pulp protection with glass ionomer lining or calcium hydroxide is recommended. DO NOT use EUGENOL BASED MATERIALS to protect the pulp as these materials will inhibit the curing of PALFIQUE UNIVERSAL BOND.
- When using a light-curing unit, protective eye shields, glasses or goggles should be worn at all times.
- Be aware that when a restoration is shipped from misaligned occlusion or bruxism (clenching, grinding or tapping), the repaired restoration may chip again.
- DO NOT mix the PASTE or PALFIQUE UNIVERSAL BOND with other brands of paste, primers or adhesives.
- The PASTE or PALFIQUE UNIVERSAL BOND should be brought to room temperature before using. After removing from the refrigerator, allow the product to sit for 20 minutes or until it reaches room temperature.

■PRECAUTIONS FOR PASTE

- Use the Cement Mixing Tip or Mini Mixing Tip S included in this KIT when extruding the mixed PASTE.
- Use a clean instrument or explorer for the application or removal of the PASTE.
- To avoid unexpectd hardening of the PASTE, after each use remove the mixing-tip from the automix syringe. Using a clean cloth or tissue wipe the excess paste from the tip of syringe prior to recapping the syringe using the cap provided with the syringe at the time of purchase.
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■PRECAUTIONS FOR PALFIQUE UNIVERSAL BOND

- To avoid splashing the liquid, the bottles of PALFIQUE UNIVERSAL BOND should not be opened immediately after taking out of the refrigerator.
- Use the mixing well or disposable mixing well provided when dispensing and mixing of PALFIQUE UNIVERSAL BOND. If PALFIQUE UNIVERSAL BOND is not dispensed into the rubber mixing it may be difficult to remove the cured PALFIQUE UNIVERSAL BOND from mixing well. The cured PALFIQUE UNIVERSAL BOND can be removed by inverting the rubber.
- Some materials and medications (hemostatic materials) inhibit setting/adhesion of PALFIQUE UNIVERSAL BOND.
 - DO NOT use products that contain:
 - eugenol,
 - aluminum chloride,
 - feric sulfate,
 - calcium sulfate,
 - aluminum sulfate,
 - diamine silver fluoride [molecular formula: Ag(NH₃)₂F]
- PALFIQUE UNIVERSAL BOND does not adhere to tooth structure immediately after applications of materials that contain:
 - hydrogen peroxide (oxidol),
 - sodium hypochlorite.
- We advise avoiding the use of these materials on the day of cementation, however these materials can be used for root canal treatment as the inhibition caused by these materials usually evaporates within five days.
- Be sure to hold the bottles of PALFIQUE UNIVERSAL BOND A and B vertically when dispensing. Do not hold the bottle diagonally or horizontally while dispensing. This could cause the primer to flow back into the nozzle and become contaminated.

■STORAGE

- Store under refrigeration at temperatures between 0 to 10 °C (32 to 50°F).
- Keep away from heat, direct sunlight, sparks and open flames.
- DO NOT use after the indicated expiration date on the syringe/bottle/package.

■DISPOSAL

- To dispose of the PASTE, extrude unused paste from the automix syringe, mix and allow paste to harden before disposal.
- Unused PALFIQUE UNIVERSAL BOND is to be absorbed into an inert absorbent material such as gauze or cotton, and disposed of in accordance with local regulations.

■CLINICAL PROCEDURES

- Remove contamination from the tooth surface such as plaque, temporary cement residue, oil from materials to test crown fit, oil mist from a hand-piece, saliva, blood and exudates fluids by brushing with flour pumice, ultrasonic scaling or cleaning the surface of the tooth with alcohol. Thoroughly rinse and dry the surface.
 - If the adherent surface involves uncut enamel, apply etching agent to the uncut enamel. See section "Selective-enamel-teeth technique".
 - DO NOT desiccate the vital tooth. Desiccation can lead to post-operative sensitivity.

2. Etching of the tooth structure (optional)

Clinically adequate adhesive bonds are achieved by the application of the adhesive. Selectively etching the enamel or using the "total etching procedure" can achieve higher adhesive values.

(a) Selective-enamel-etch technique

Apply phosphoric acid gel only to the enamel surrounding the margin of prepared cavity and leave phosphoric acid gel in place for 10-15 seconds. Rinse the etched surface thoroughly (at least 15 seconds) with water, and then dry with mild air.

(b) Total etch technique

Apply phosphoric acid gel onto the prepared enamel first, and then the dentin. The etchant should be left to react on the enamel and dentin for 10-15 seconds. Rinse thoroughly (at least 15 seconds) with water and dry with mild air or with cotton pellets; do not overdry.

3. Restoration Preparation

Follow the procedure shown below, depending on the material to be restored.

- Ceramics other than Porcelain, and Composite materials
 - Roughen the interior of the restoration by sandblasting (0.1 to 0.2MPa), air abrasion or grinding with a diamond bur using a slow speed to prepare the surface for adhesion. Thoroughly rinse and dry the surface.

- DO NOT roughen the surface. Prepare the interior of the restoration, providing a clean and fresh surface for adhesion. Thoroughly rinse and dry the surface.
- Metal restorations
 - Roughen the area by sandblasting (0.3 to 0.5MPa), air abrasion or grinding with a diamond bur using a slow speed to prepare the surface for adhesion. Thoroughly rinse and dry the surface.

- When using the sandblaster or air abrasion, use at least 30 to 50 micron grid of alumina powder.
- If unable to roughen or prepare the adhesive surface, etch the area for adhesion with phosphoric acid then thoroughly rinse and dry.
- The substances listed below inhibiting adhesion and must be removed from the restoration surfaces by the use of an appropriate method of alcohol soaking. Clean the restoration after adjustment is complete.

- Glycol and investment
- System oil from fit check material
- Oil mist from handpiece
- Plaque, tartar, saliva, blood and exudate fluids
- The temporary restoration and temporary cement.
 - If necessary, protect the surface not being bonded with metal separator, paraffin film, Vaseline, etc.

4. Dispensing of PALFIQUE UNIVERSAL BOND

Allow PALFIQUE UNIVERSAL BOND to reach room temperature prior to use. Open the cap and dispense PALFIQUE UNIVERSAL BOND into the mixing well or disposable BOND A and B into the mixing well or disposable mixing well. Mix thoroughly with a disposable applicator.

- Complete the application within 1 minute of dispensing when using the mixing well since PALFIQUE UNIVERSAL BOND contains volatile solvents. After mixing, the color of PALFIQUE UNIVERSAL BOND changes gradually based on the reaction of the curing unit. Do NOT use PALFIQUE UNIVERSAL BOND. This is normal and does not indicate a problem with PALFIQUE UNIVERSAL BOND.

- Complete the application within 3 minutes of dispensing when using the disposable mixing well.
- Wipe off excess PALFIQUE UNIVERSAL BOND from the tip of the nozzle prior to closing.
- Immediately after dispensing, tightly replace the bottle caps of PALFIQUE UNIVERSAL BOND A and B.

5. Restoration Pretreatment with the PALFIQUE UNIVERSAL BOND

- Application
 - Using the disposable applicator, apply the mixed PALFIQUE UNIVERSAL BOND onto the surface to be bonded.
 - Ensure PALFIQUE UNIVERSAL BOND covers all surfaces where the PASTE will be applied.
 - DO NOT over apply. One application of PALFIQUE UNIVERSAL BOND is sufficient. Too thick of a layer may compromise the fit of the restoration.
 - DO NOT apply saliva, blood, oil, water etc. to come in contact with the surface to be bonded.
 - Rinse thoroughly with water and immediately contact an ophthalmologist.
 - DO NOT wait too long after the application of PALFIQUE UNIVERSAL BOND. Air dry within 30 seconds after application, to ensure the appropriate film thickness.
- Air dry

Using an oil-free air/water syringe, apply mild air to the surface. Use a vacuum aspirator to prevent spatter of the PALFIQUE UNIVERSAL BOND.

- Be sure to dry the surface after PALFIQUE UNIVERSAL BOND is applied.

6. Tooth (Adherent surface) Pretreatment with the PALFIQUE UNIVERSAL BOND

- Application
 - Using the disposable applicator, apply the mixed PALFIQUE UNIVERSAL BOND on the surface to be bonded.
 - Ensure PALFIQUE UNIVERSAL BOND covers all surfaces where the PASTE will be applied. Even if the adherent surface includes materials other than tooth structure such as ceramics, porcelain, composite, and/or metal, no extra primers are needed.
 - Dispensed PALFIQUE UNIVERSAL BOND can be used for both the restoration and tooth pretreatment if used within 1 minute using the mixing well or 3 minutes if using the disposable mixing well.
 - If the time after dispensing is over 1 minute (mixing well), or over 3 minutes (dispposable mixing well), DO NOT use dispensed PALFIQUE UNIVERSAL BOND due to the possibility of the poor coating properties or insufficient adhesion. If the time after dispensing exceeds the limit mentioned above (1 minute or 3 minutes), dispense again one drop each of PALFIQUE UNIVERSAL BOND A and B into the mixing well or disposable mixing well and mix thoroughly with a disposable applicator.
 - If PALFIQUE UNIVERSAL BOND pools on the cavity floor or a cavosurface angle and is too thick or air thin, remove the excess with a paper point or a new displosible applicator.
 - Be careful not to allow excess PALFIQUE UNIVERSAL BOND to flow into the subgingival. If PALFIQUE UNIVERSAL BOND flows into the subgingival, thoroughly rinse and dry the area.
 - DO NOT wait too long after the application of PALFIQUE UNIVERSAL BOND; this will lead to the possibility of the restoration not seating properly with cementation. Air dry within 30 seconds after application, to ensure the appropriate film thickness.

- Air dry
 - Using an oil-free air/water syringe, apply weak air continuously to the PALFIQUE UNIVERSAL BOND surface until the nunny PALFIQUE UNIVERSAL BOND stays in the same position without any movement. Finish by using mild air to the surface. Use a vacuum aspirator to prevent spatter of the PALFIQUE UNIVERSAL BOND.
 - If saliva, blood, or other fluids contaminate the applied PALFIQUE UNIVERSAL BOND, thoroughly rinse with water, dry and re-apply fresh PALFIQUE UNIVERSAL BOND.
 - DO NOT rinse the applied PALFIQUE UNIVERSAL BOND with water except in unintentional contamination.
 - If accidental spattering occurs, it may cause the tissue to whiten or possible allergic reaction.

7. Cementation and Final Bonding

- Preparing the syringe and mixing tips
 - Before each use, remove the cap from automix syringe, and squeeze out a small quantity of paste A and B, making sure equal amounts are being dispensed through the two outlets of the syringe.

- How to remove the cap: turn the cap 1/4 of a turn counterclockwise to align the nozzle with the cap. Do not touch the cap with your fingers. Hold the base of the cap, remove the cap by twisting and pressing downward.

- DO NOT allow PASTE A to come into contact with PASTE B, there is a possibility of hardening of the PASTE at the tip of syringe. Wipe the excess PASTE from the tip of syringe with a clean cloth or tissue before using a new mixing tip.
- If equal amounts of PASTE A and B are not dispensed, there is a possibility of poor polymerization. Ensure equal amounts are being dispensed through the two outlets of the syringe prior to attaching a mixing tip.

- How to attach the mixing tip: align the projections on the adapter with the grooves in the syringe as closely as possible, and turn the mixing tip 1/4 of a turn clockwise to lock it in place.
- After use, remove the mixing tip from automix syringe and replace the cap of the automix syringe.

2.a) Cementation of Restoration

Attach a Cement Mixing Tip to the syringe, squeeze PASTE (A and B) from the syringe and apply the mixed PASTE to the inner surface of the restoration. Place the restoration on the tooth with firm pressure. Any excess PASTE at the margin can be removed with a

brush tip.

- DO NOT apply the PASTE directly to the prepared tooth or the cavity treated with PALFIQUE UNIVERSAL BOND to avoid incorrect seating of the restoration.
- To keep the appropriate film thickness, seat the restoration as soon as possible after the application of the PASTE (within 1 minute after dispensing), if not there is a possibility that the restoration will not seat properly with cementation.

- Placing the core or post
 - Attach a Mini Mixing Tip S and a Nozzle for Mini Mixing Tip to the syringe for application in the root canal. Apply the mixed paste over the entire adherent surface of the core or post, or the entire tooth surface within the cavity. Place the core or post quickly into the cavity, slightly vibrating it to prevent air bubbles from entering the root canal.

- If the paste is applied directly into the cavity, place the core or post into the cavity within 30seconds after application of the PASTE.

- DO NOT use Lentulo spirals to insert the cement in the root canal as this can excessively accelerate setting.

8. Removal of Excess PASTE.

There are two methods for removal of excess PASTE.

- When using the light-cure method
 - Once the restoration is seated, light-cure the excess PASTE with a dental curing light for 2 to 4 seconds. The gel state of the excess PASTE can be easily removed.
 - Excess light curing will lead to difficult removal of the excess cement.

- When using the self-cure method
 - The gel state of the excess cement can be easily removed within 1 to 3.5 minutes after seating.

- Waiting more than 3.5 minutes after seating will lead to difficult removal of the excess cement.
- The setting time of the PASTE may change (approximately 20 seconds at the maximum) depending on the oral temperature in each clinical case.

9. Final Adjustment

- Final PASTE hardening
 - In case of translucent restoration materials such as ceramics or composite materials. Irradiate the light to the applied PASTE on the seated restoration for 20 seconds or more. When the adherent area is too large to be completed by a single light-cure, multiple cures are recommended.
 - Confirm that the light-curing unit has sufficient intensity (>500mW/cm²) before using. Note that using a cracked light guide will lower the intensity.
 - In case of non translucent restoration materials such as metal. Light-cure along margins for 20 seconds or more, then allow the PASTE to set for 8 minutes with the patient applying normal occlusal pressure to the restoration.
 - Finishing.
 - NO use los productos después de la fecha de caducidad indicada en jeringa/botella/ paquete.

IMPORTANT NOTE: The manufacturer is not responsible for damage or injury caused by improper use of this product. It is the personal responsibility of the user to ensure that this product is suitable for an appropriate application before use. When the product specifications are subject to change without notice. When the product specifications change, the instructions and precautions may also change.

ESPAÑOL

Lea toda la información, precauciones y notas antes de usar el producto.

■DESCRIPCIÓN DEL PRODUCTO E INFORMACIÓN GENERAL.

- ESTECEM Plus es un sistema de cemento radiopaco adhesivo de resina de doble curado (fotopolimerización o autopolimerización), con excelentes propiedades de manipulación, estéticas y adhesivas para los dientes y todos los materiales protésicos. Los componentes principales del KIT ESTECEM Plus son el cemento PASTE (A/B) y PALFIQUE UNIVERSAL BOND (A/B). El cemento PASTE se dispensa en una jeringa de automezclado y está disponible en varios tonos (universal, transparente, marfil y blanco opaco). PALFIQUE UNIVERSAL BOND promueve la adhesión del cemento PASTE a la estructura del diente. PALFIQUE UNIVERSAL BOND también mejora la adhesión del cemento PASTE a todos los materiales protésicos.

- El cemento PASTE contiene bisfenol A di(2-hidrox) propox) dimetacrilato (Bis-GMA), trietilenoglicol dimetacrilato (TEGDMA), bisfenol A polioxi metacrilato (Bis-MPEPP), peróxido, camfoquinona y relleno de silicón-zirconio (carga de relleno de 74 % en peso).

- PALFIQUE UNIVERSAL BOND contiene monómero de ácido fóscrico, bisfenol A di(2-hidrox) propox) dimetacrilato (Bis-GMA), trietilenoglicol dimetacrilato (TEGDMA), 2-hidroxietil metacrilato (HEMA), MTU-6 (monómero iouracil), agente de acoplamiento de silano, peróxido, catalizador de borato, acetona, isopropanol y agua purificada.

■INDICACIONES

- Cementación de coronas, puentes, incrustaciones inlay y onlays hechas de cerámicas vitreas/ óxidos (porcelana, zirconia y alumina), metales/aloyos (preciosos y no preciosos) y materiales de resina, incluyendo relleno inorgánico (materiales compuestos).
- Reparación de porcelana fracturada en coronas metal-cerámica y todo tipo de restauraciones cerámicas.
- Cementación de carillas.
- Cementación de puentes adhesivos.
- Cementación de postes metálicos o de resina, pernos metálicos o de fibra de vidrio.

■CONTRAINDICACIONES

ESTECEM Plus contiene monómeros metacrilatos, solventes y ácidos orgánicos. NO use ESTECEM Plus con pacientes alérgicos o hipersensibles a los monómeros metacrilatos, monómeros relacionados, solventes orgánicos y ácidos.

■PRECAUCIONES

- Use PALFIQUE UNIVERSAL BOND como acondicionador para el cemento ESTECEM Plus PASTE. NO use otros acondicionadores o adhesivos como acondicionador para las superficies adhesivas.
- NO use ESTECEM Plus para otros fines aparte de los señalados en las instrucciones. Use únicamente ESTECEM Plus tal como se explica en estas instrucciones.
- ESTECEM Plus está concebido para venta y uso únicamente a profesionales acreditados de odontología. No está concebido para la venta ni puede ser usado por parte de profesionales de otros campos aparte de la odontología.
- NO use ESTECEM Plus KIT, PASTE o PALFIQUE UNIVERSAL BOND si los sellos de seguridad están rasgados o presentan indicios de haber sido alterados.
- Si ESTECEM Plus provoca una reacción alérgica o hipersensibilidad, interrumpa su uso inmediatamente.

- Evite la contaminación (plástico, vinilo o látex) siempre que maneje ESTECEM Plus para evitar la posibilidad de que aparezcan reacciones alérgicas provocadas por los monómeros metacrilatos. Nota: Certos sustancias/materiales pueden penetrar a través de los guantes de exploración. Si PASTE o PALFIQUE UNIVERSAL BOND entran en contacto con los guantes de exploración, quíteselos, arrojélos a la basura y lávese bien las manos con agua lo antes posible.
- Evite el contacto de PASTE o PALFIQUE UNIVERSAL BOND con los ojos, las membranas mucosas, la piel y la ropa.
- Si PASTE o PALFIQUE UNIVERSAL BOND entran en contacto con los ojos, láveselos bien con agua y póngase en contacto inmediatamente con un oftalmólogo.
- Si PASTE o PALFIQUE UNIVERSAL BOND entran en contacto con las membranas mucosas, limpie la zona afectada inmediatamente y lávese bien con agua cuando la restauración esté asentada. Las áreas afectadas por PALFIQUE UNIVERSAL BOND pueden emblanquearse debido a la coagulación de proteínas, pero dicho blanqueamiento debería desaparecer en un plazo de 24 horas. Si transcurren 24 horas no desaparece el blanqueamiento, póngase en contacto con un médico y avise de ello al paciente.

- Si PASTE o PALFIQUE UNIVERSAL BOND entran en contacto con la piel o la ropa, limpie inmediatamente el área con abundante alcohol con ayuda de un bastoncillo o una gasa.
- De instrucciones al paciente para que se enjague la boca inmediatamente después del tratamiento.

- PASTE o PALFIQUE UNIVERSAL BOND no deben ser ingeridos o aspirados. Su ingestión o aspiración pueden provocar daños graves.
- Evite la ingestión no intencionada de PASTE o PALFIQUE UNIVERSAL BOND, no deje el producto desatendido al alcance de pacientes o menores.
- NO exponga PALFIQUE UNIVERSAL BOND al vapor o al fuego, ya que PALFIQUE UNIVERSAL BOND son inflamables.
- NO use pocillos de mezcla suministrados por otros fabricantes.
- A fin de prevenir contaminación cruzada o disminución de la fuerza de adhesión, NO mezcle el aplicador desechable y el pocillo de mezcla desechable. Limpie bien el pocillo del dispensador de caucho con alcohol después de cada uso.
- NO use ESTECEM Plus directamente sobre la cavidad creada por la pulpa. Se recomienda proteger la pulpa previamente. NO USE MATERIALES A BASE DE EUGENOL para proteger la pulpa, ya que dichos materiales inhibirán el curado de PALFIQUE UNIVERSAL BOND.
- Cuando use una unidad de fotocurado, utilice siempre protectores oculares o gafas.
- Tenga en cuenta que si una restauración se ha desprendido por maloclusión o bruxismo (rechinar, apretar o golpear los dientes), la restauración cementada puede desprenderse de nuevo.
- NO mezcle PASTE o PALFIQUE UNIVERSAL BOND con pastas, primers o adhesivos de otras marcas.
- Debe asegurarse que PASTE o PALFIQUE UNIVERSAL BOND alcancen la temperatura ambiente antes de su uso. Después de sacar el producto del refrigerador, déjelo fuera 20 minutos hasta que adquiera la temperatura ambiente.

■PRECAUCIONES PARA PALFIQUE UNIVERSAL BOND

- Para utilizar la mezcla de PASTE, use la Punta Cement Mixing Tip o la miniPunta Mini Mixing Tip S que se incluyen en este KIT.
- Use un instrumento limpio o un explorador para aplicar o retirar el cemento PASTE.
- A fin de evitar un endurecimiento imprevisto de PASTE, después de cada uso saque la punta de mezcla de la jeringa de automezcla. Limpie el exceso de pasta de la punta de la jeringa con un paño limpio o pañuelo de papel antes de volver a ponerle la tapa incluida en el paquete de compra.

■PRECAUCIONES PARA PALFIQUE UNIVERSAL BOND

- A fin de evitar salpicaduras, debería evitarse abrir las botellas de PALFIQUE UNIVERSAL BOND inmediatamente después de sacarla del refrigerador.
- Use el pocillo de mezcla o el pocillo de mezcla desechable suministrado cuando dispense o mezcle PALFIQUE UNIVERSAL BOND. Si PALFIQUE UNIVERSAL BOND no se dispensa en el mezclador de cromo, podría ser difícil retirar del pocillo de mezcla cuando esté polimerizado. PALFIQUE UNIVERSAL BOND se puede retirar invirtiendo la goma.
- Algunos materiales y medicamentos (material hemostático) inhiben el endurecimiento/adhesión de PALFIQUE UNIVERSAL BOND.
 - NO USE productos que contengan:
 - eugenol,
 - cloruro de aluminio,
 - sulfato de hierro,
 - sulfato de calcio,
 - sulfato de aluminio,
 - fluoruro diamino de plata [fórmula molecular: Ag(NH₃)₂F]
- PALFIQUE UNIVERSAL BOND no adhiere inmediatamente a la estructura del diente tras la aplicación de materiales que contienen:
 - peróxido de hidrógeno (oxidol),
 - hipoclorito de sodio.
- Recomendamos evitar el uso de estos materiales el día de la cementación; sin embargo, estos se pueden utilizar para el tratamiento del conducto radicular, ya que la inhibición que causan normalmente se evapora en un periodo de cinco días.
- Evite la dispersión, asegúrese de sujetar las botellas de PALFIQUE UNIVERSAL BOND A y B en posición vertical. NO sujete la botella diagonal u horizontalmente durante la dispensación; esto podría hacer que el acondicionador retroceda hacia la boquilla y se contamine.

- NO enjague el PALFIQUE UNIVERSAL BOND aplicado con agua, excepto en caso de contaminación por accidente.
- Si ocurren salpicaduras accidentales, estas pueden causar emblanqueamiento del tejido o una posible reacción alérgica.

7. Cementación y adhesión final

- Preparación de la jeringa y de las puntas de mezcla
 - Antes de cada uso, retire la tapa de la jeringa de automezcla, purgue una pequeña cantidad de las pastas A y B asegurándose de dispensar cantidades idénticas a través de los orificios de la jeringa.
 - Como quitar la tapa: gire la tapa 1/4 de giro en sentido contrario a las agujas del reloj, alinee los tubos de la tapa con las ranuras de la jeringa. Sujete la base de la tapa y retirela girando y presionando hacia abajo.

- NO permita que PASTE A entre en contacto con PASTE B porque existe la posibilidad de que se produzca un endurecimiento de PASTE en la punta de la jeringa. Limpie el exceso de PASTE de la punta de la jeringa con un paño limpio o un pañuelo de papel antes de usar una nueva punta de mezcla.

- Si no dispensa cantidades idénticas de PASTE A y B, existe la posibilidad de que se produzca una mala polimerización. Asegúrese de dispensar cantidades idénticas a través de los dos orificios de la jeringa antes de acoplar la punta de mezcla.

- Como acoplar la punta de mezcla: alinee los tubos del adaptador con las ranuras en la jeringa con la mayor precisión posible y gire la punta de mezcla 1/4 de giro en sentido contrario a las agujas del reloj para encerrarla y bloquearla en su lugar.

- Después de su uso, retire la punta de mezcla de la jeringa de automezcla y vuelva a poner la tapa de la jeringa de automezcla.

- Cementación de la restauración
 - Fije una Cement Mixing Tip a la jeringa, apriete para sacar el cemento PASTE (A y B) y asegúrese de aplicar el cemento PASTE mezclado a la superficie interna de la restauración. Coloque la restauración en el diente con una firme presión. Puede eliminar cualquier exceso del cemento PASTE en el margen con la punta de un cepillo.
 - NO aplique el cemento PASTE directamente en el diente preparado o en la caries tratada con PALFIQUE UNIVERSAL BOND para evitar el asentamiento incorrecto de la restauración.
 - Para eliminar el grosor de película adésivo, asiente la restauración lo antes posible después de la aplicación del cemento PASTE (antes de que transcurra 1 minuto después de la dispensación); de lo contrario, existe la posibilidad de que la restauración no se asiente adecuadamente con la cementación.

Aplique gel de ácido fosfórico solo al esmalte que rodea el margen de la caries preparada y deje que el gel actúe durante 10-15 segundos. Enjuague minuciosamente la superficie grabada (al menos durante 15 segundos) con agua, y luego seque con aire suave.

- Técnica de grabado total
 - Aplique gel de ácido fosfórico primero al esmalte preparado y luego a la dentina. El agente de grabado se debe permitir reaccionar con el esmalte y la dentina durante 10-15 segundos. Enjuague minuciosamente (al menos durante 15 segundos) con agua, y seque con aire suave o con pellos de algodón; no seque en exceso.

- Si la superficie adherente incluye esmalte sin tallar, aplique agente de grabado al esmalte sin tallar. Consulte la sección "Técnica de grabado selectivo del esmalte".

- NO seque la parte vital del diente. Su desecación podría provocar sensibilidad postoperatoria.

2. Grabado de la estructura del diente (opcional)

La aplicación del agente

