i-dental

Reliable solutions for everyday dentistry

PRODUCT CATALOGUE | 2025

CONTENT

ABOUT i-dental

i-dental is a European manufacturer of dental materials, committed to providing practical and reliable solutions for everyday dentistry. We focus on essential restorative materials, ensuring that dental professionals have access to consistent and effective products they can trust.

Our production facility, established in 2020, adheres to European quality standards, ensuring both product safety and production efficiency.

As a flexible and agile company, we quickly adapt and respond efficiently to customer demands. By continuously improving our processes and strengthening partnerships, i-dental remains dedicated to delivering reliable dental materials for daily clinical practice.

OUR MISSION

To provide essential and reliable solutions that empower dental professionals in everyday practice.

OUR VISION

Elevate essential dental care by ensuring access and reliability in dentistry.

OUR VALUES

Integrity – Transparency, responsibility, and trust in every aspect of our work.

Dedication – Commitment to growth, learning, and continuous improvement.

Reliability – Ensuring consistent quality and performance.

Care – Supporting people, communities, and fostering collaboration.

PROPHY MATERIALS

i-FASTE® CE

Teeth Surface Polishing Paste

i-FASTE is an oil-free prophy paste created for professional dental cleaning and polishing. Designed to meet the diverse needs of dental practices, it is available in three grit levels—fine, medium, and coarse—ensuring optimal performance for various procedures, from gentle enamel polishing to intensive stain and calculus removal. Its pleasant flavors and smooth texture enhance both functionality and patient comfort, making it a reliable choice for daily practice.

Clinical indications

To clean debris, plaque, calculus, stains, and other accretions from the teeth

For the teeth surface preparation (cleaning and polishing) prior to restorations and fluoride treatment

For recontouring, finishing and polishing the surface after restoration to restore normal contours, smooth margins, and to create a high luster shine, the overall appearance and longevity of the restoration itself

Key features

Tailored options for every procedure: Select from three grit levels to match specific clinical needs:

Fine ideal for final polishing to create a smooth and glossy enamel finish

Medium suitable for both cleaning and polishing during routine care

Coarse best for removing heavy stains, plaque, and calculus

Enhanced patient experience: A vibrant palette of flavors – mint, orange, cherry, bubble mint, and apple—ensures a refreshing and pleasant experience for patients during treatment

Packaging options

i-Faste is available in a range of packaging options designed to suit the demands of every dental professional:

30 g jars are compact and well-suited for occasional use or procedures requiring smaller amounts of paste

100 g jars provide a practical solution for regular use in high-demand dental practices

The 2 g single-dose cups offer pre-measured portions that ensure hygiene and convenience for single-use applications

SURGICAL PROTOCOL FOR TEETH SURFACE POLISHING PASTE

1

Prepare surface as always. The working area must be kept dry. Using suitable instrument take out a little of the paste and fill the prophy cup.

2

Throughout the procedure, sufficient paste should be maintained on the cup to avoid overheating of the tooth surface.

3

Saliva evacuation is recommended to avoid excessive dilution and swallowing of the paste.

Packaging

CODE	CONTENT
IFCTP	Prophy Paste, Coarse, taste mint, shade green, 30 g paste
IFC100	Prophy Paste, Coarse, taste mint, shade green, 100 g paste
IFCD1	Prophy Paste, Coarse, taste mint, shade green, 100×2 g single dose cups
IFMTP	Prophy Paste, Medium, taste orange, shade orange, 30 g paste
IFM100	Prophy Paste, Medium, taste orange, shade orange, 100 g paste
IFMD1	Prophy Paste, Medium, taste orange, shade orange, 100×2 g single dose cups
IFMC30	Prophy Paste, Medium, taste cherry, shade reddish, 30 g paste
IFMC100	Prophy Paste, Medium, taste cherry, shade reddish, 100 g paste
IFMCD1	Prophy Paste, Medium, taste cherry, shade reddish, 100×2 g single dose cups
IFMB30	Prophy Paste, Medium, taste bubble mint, shade pearl white, 30 g paste
IFMB100	Prophy Paste, Medium, taste bubble mint, shade pearl white, 100 g paste
IFMBD1	Prophy Paste, Medium, taste bubble mint, shade pearl white, 100×2 g single dose cups
IFFTP	Prophy Paste, Fine, taste apple, shade yellow, 30 g paste
IFF100	Prophy Paste, Fine, taste apple, shade yellow, 100 g paste
IFFD1	Prophy Paste, Fine, taste apple, shade yellow, 100×2 g single dose cups

Storage instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

- Thickener 30-50 %
- Pumice 20-40 %
- Filler 10-30 %
- Water 5-15 %
- Flavourant agent 1-5 %
- Surfactant <1 %
- Colourant <1 %

Shelf life

3 years from the manufacturing date.

TOOTH WHITENING

i-SMILE®

Tooth Whitening Gel

i-SMILE is a bleaching gel with fluoride for whitening vital and non-vital teeth. It is suitable for minimally invasive procedures using a custom-made tray for at home bleaching under supervision of dentist. The dental professional regulates the treatment and determines how long it should last.

Clinical indications

- For at home bleaching of vital teeth under supervision of dentist
- For home bleaching of discolored teeth under supervision of dentist
- For home bleaching of non-vital teeth under supervision of dentist

Key features

10 % Carbamide peroxide gel:

- Concentration of hydrogen peroxide: 3.3 %
- Enriched with **fluoride**
- Orange flavor for a pleasant patient experience
- Suitable for gradual and gentle whitening treatments, ideal for patients with mild discoloration or sensitivity

16 % Carbamide peroxide gel:

- Concentration of hydrogen peroxide: 5.3 %
- Enriched with **fluoride**
- Apple flavor for a refreshing application
- Designed for more intensive whitening treatments, achieving results in shorter timeframes

Packaging

CODE	CONTENT
ISMFC	3 g syringe, 10 % carbamide peroxide, with fluoride, taste orange
ISMK1	4×3 g syringes, 10 % carbamide peroxide, with fluoride, taste orange
ISNFC	3 g syringe, 16 % carbamide peroxide, with fluoride, taste apple
ISNK1	4×3 g syringe, 16 % carbamide peroxide, with fluoride, taste apple

Storage instructions

Store product well closed in dark and dry place at 4-10°C. Protect from direct sunlight and heat sources. Do not freeze. 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.

Shelf life

24 months from the manufacturing date.

Composition

The product contains aqua (water), glycerin, carbamide (urea peroxide), Aroma (orange/apple), carbomer, sodium hydroxide, sodium fluoride (0.10 wt %), and sodium benzoate. The available peroxide concentrations include 16 % carbamide peroxide for intensive whitening and 10 percent carbamide peroxide (equivalent to 3.3 and 5.3 percent hydrogen peroxide, respectively) for milder whitening effects.

i-BLOCK

Light Curing Block-Out Model Resin

i-BLOCK is a light-curing material based on methacrylates, designed for creating reservoir spaces in bleaching trays, repairing stone models, and other laboratory applications. Its versatile formulation ensures reliable performance for various dental laboratory procedures.

Clinical indications

- For creating reservoir space in bleaching trays
- For stone model repairs
- Other laboratory procedures

Key features

- Suitable for creating custom tray reservoirs and repairing stone models
- Provides controlled application with a maximum thickness of 3 mm per layer
- Light-curable within 10-20 seconds for efficient workflows
- Easy to use with recommended working tips for precise application

Packaging

CODE	CONTENT
IBOTP	3,8 g syringe, 3 tips, Light Curing Block-Out Model Resin, Blue
IBOK1	4×3,8 g syringes, 12 tips, Light Curing Block-Out Model Resin, Blue

Instruction for use

Syringe preparation:
1. Remove Luer cap
2. Attach working tip to the syringe
3. Verify resin flow prior to applying. If resistance is met, replace tip and re-check. Use only recommended tips

For Model Corrections:
1. Prepare plaster model in the usual way. Model must be clean and dry before applying resin
2. Fill area no more than 3 mm thick at a time
3. Light cure for 10-20 seconds
4. Wipe off the oxygen inhibition layer

For Custom Tray Reservoirs:
1. Apply approximately 0.5 mm of material on the plaster model surfaces
2. Stay resin approximately 1.5 mm from the gingival margin. DO NOT extend onto incisal edges and occlusal surfaces
3. Light cure for 10-20 seconds per tooth
4. Wipe off the oxygen inhibition layer
5. Fabricate custom tray

Storage instructions

Store the syringe in a dry place at temperatures between 4°C and 28°C. Protect from direct sunlight and heat sources. Ensure the syringe is re-capped between uses. Do not freeze the product. Keep out of reach of children. Dispose of contents and packaging in accordance with national regulatory requirements.

Shelf life

4 years from the manufacturing date.

i-DAM CE

Light Curing Liquid Cofferdam

i-DAM is a light-curing liquid cofferdam designed to isolate gingival tissues and adjacent areas during dental procedures. It serves as a protective barrier, preventing contact with gingival tissues and adjacent areas in procedures requiring high concentrations of hydrogen peroxide or other bleaching agents. Additionally, it is effective for repairing cofferdam tears and isolating teeth from saliva or moisture contamination during restorative applications. Available in blue shade, it provides a clear contrast to gingival tissue and teeth, ensuring precise application and control.

Clinical indications

To provide protection for the gingival tissue and/or the adjacent tooth, restorations during clinical procedures, such as teeth whitening, bleaching with high concentration of Hydrogen Peroxide, air abrasion (sandblasting) or etching with strong acids

For complete isolation of the gingival tissue during cavity preparation or endodontic treatment

Key features

BLUE COLOR

Available in highly visible blue shade for precise application

Remains flexible and tear-resistant after curing, ensuring durability and adaptability during procedures

Easily removable after the procedure, leaving no residue and causing no irritation to gingival tissues

Light-curable in just 20 seconds, maintaining a cool temperature during curing for enhanced patient comfort

Acts as a protective barrier for gingival tissues during dental bleaching and cavity preparation, offering excellent adhesion to gingival tissues and staying securely in place without dripping

Features a moisture-friendly chemical composition, making it suitable for humid conditions and reliable for creating whitening splints

Packaging

CODE	CONTENT
IDABP	3,5 g syringe, shade blue, 3 tips
IDAM1	4×1,2 ml syringe, shade blue, 10 tips
IDABK	4×3,5 g syringes, shade blue, 10 tips

Storage instructions

Store the product in a cool, dry place at temperatures between 4°C and 28°C. Protect from direct sunlight and heat. Re-cap the syringe securely between uses and dispose of any remaining material after the expiry date.

Shelf life

3 years from the manufacturing date.

Composition

The product is based on methacrylate resins (75-95 %) and silica fillers (1-10 %), with additional excipients. It does not contain human or animal-derived materials and is free from carcinogenic or endocrine-disrupting substances, ensuring safe and reliable application.

ETCHANTS

i-GEL N ®

CE 2797

Phosphoric Acid Etching Gel

i-GEL is a professional-grade 37 % phosphoric acid etching gel designed for fast and precise surface preparation in restorative dentistry. Its optimal viscosity ensures easy and controlled application, minimizing material waste and enhancing workflow efficiency. Brightly colored for excellent visibility, i-GEL ensures reliable etching results with minimal effort.

Clinical indications

Tooth enamel and / or dentin etching

Key features

BLUE COLOR

37 % phosphoric acid effectively removes the smear layer and opens dentinal tubules for optimal bonding

Thixotropic, self-leveling formula prevents dripping and ensures easy application

Contrasting blue color makes it easy to see and rinse off

Rinses cleanly without residue, optimizing adhesive bonding

Fast application with 15 seconds for dentin and 30 seconds for enamel

User-friendly syringe and tips ensure precise placement and minimal waste

The procedure was performed by © Dr. P. Kalesinskas

The procedure was performed by © Dr. Shih.

The procedure was performed by © Dr. Shih.

SURGICAL PROTOCOL FOR PHOSPHORIC ACID ETCHING GEL

Prepare surface as always. The working area must be kept dry.

Delicate push on plunger and apply layer of etch on all surface to be etched. Do not force plunger. Leave etch gel in place for 15 seconds (dentine), 30 seconds (enamel).

Rinse with water and dry with air.

Verify etched surface is clean and dry.

Packaging

CODE	CONTENT
IGECP	4,3 g syringe, 5 tips
IGEK1	4×4,3 g syringes, 10 tips
IGE12B	12 g syringe, 10 tips
IGE50B	42 g syringe, 2×4,3 g syringes, 20 tips

Note

Do not use phosphoric etchant on metals or zirconia, as this will reduce bond strength.

Storage instructions

Store i-GEL in a dry and well-ventilated place at temperatures between 4°C and 25°C. Protect the product from direct sunlight and heat. Ensure syringes are securely capped between uses. Do not freeze the product.

Composition

- Diluent 40-60 %
- Phosphoric acid 37 %
- Silicon dioxide 10-20 %
- Thickener 5-10 %
- Pigment <1 %

Shelf life

3 years from the manufacturing date.

i-HYDRO®

Hydrofluoric Acid Porcelain Etching Gel

i-HYDRO is a professional-grade 9 % hydrofluoric acid etching gel designed for reliable and precise porcelain surface preparation prior to cementation. It enhances the bond strength between porcelain restorations and the resin matrix of composites, ensuring long-lasting results. Its optimized formulation allows for efficient and controlled application while maintaining safety standards.

Clinical indications

Etching of porcelain restorations (crowns, bridges, inlays, onlays) prior cementation

Key features

Reliable performance with 9 % hydrofluoric acid providing surface roughness for strong mechanical bonding

Controlled application with thixotropic gel consistency preventing dripping and enabling clean placement

Safe application using a professional syringe system with application tips ensuring hygiene and accuracy

Durable bonding ensures long-term stability and reliability of porcelain restorations

Research-backed 90-second application ensures safe and controlled porcelain surface preparation, delivering optimal bonding results

Performance characteristics

Concentration of 9 % hydrofluoric acid

Etching time of 90 seconds

Packaging

CODE	CONTENT
IHYG1	1,2 ml syringe, 5 tips

Storage instructions

i-HYDRO is designed to be used in dental office where ambient temperature is 18-25°C. Dispensed amount of material is suitable for single use (only for one preparation). Do not re-use. Dispensed amount kept not in original package may lead to loss of function.

Note

Avoid applying the gel to glazed porcelain surfaces, as this can damage their gloss. Over-etching may weaken the porcelain structure.

Shelf life

2 years from the manufacturing date.

SEALANTS

i-SEAL® LC

CE 2797

Light Curing Pit and Fissure Sealant

i-SEAL is a biocompatible, opaque sealant for precise pit and fissure sealing. Its flowable consistency and time-saving 20-second light-curing time ensure a durable, protective barrier over the teeth surface. Formulated to provide an early reliable caries prevention, supporting optimal oral health by smoothing out the surfaces of young tooth and reducing areas where bacteria and food particles can accumulate.

Clinical indications

For sealing small pits and fissures

Key features

The application process is simple, painless, and non-invasive

Helps preserve natural tooth structure by sealing pits and fissures without unnecessary enamel removal

Cost-effective early caries prevention method for prone to caries individuals

Highly flowable consistency for precise placement and complete coverage

Strong adhesion to enamel ensures durable and reliable protection that lasts

Opaque white material provides excellent visual control during application

Once cured maintains an appearance of natural tooth while protecting the teeth

Improves dental aesthetics while maintaining dental function

20-second light-curing time ensures efficient workflow

Bioinert composition free from reactive substances, ensuring patient safety

Prevents caries in high-risk enamel areas with effective sealing performance

During application. The procedure was performed by
© Dr. P. Kalesinskas

After application. The procedure was performed by
© Dr. P. Kalesinskas

SURGICAL PROTOCOL FOR LIGHT CURING PIT AND FISSURE SEALANT

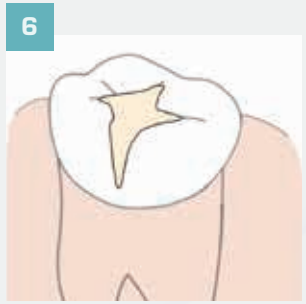
Prepare cavity as always.

Apply layer of etch, to surface to be etched. Leave etch in place for 30 seconds.

Rinse with water and dry with air.

Then apply onto surface using disposable micro applicator.

Light curing for 20 seconds.



Check for hardness and retention.

Packaging

CODE	CONTENT
ISEKP	3,8 g syringe, 3 tips
ISEK1	4×3,8 g syringes, 12 tips

Storage instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children!

Composition

- Dental glass grinded 30-50 %
- Methacrylate mixture 20-50 %
- Silicon dioxide 1-5 %
- Coinitiator <1 %
- Photoinitiator <1 %
- Inhibitor <1 %
- Stabilizer <1 %
- Opacifier <1 %

Shelf life

4 years from the manufacturing date.

ADHESIVES

i-BONDING® LC N CE 2797

Light Curing Adhesive

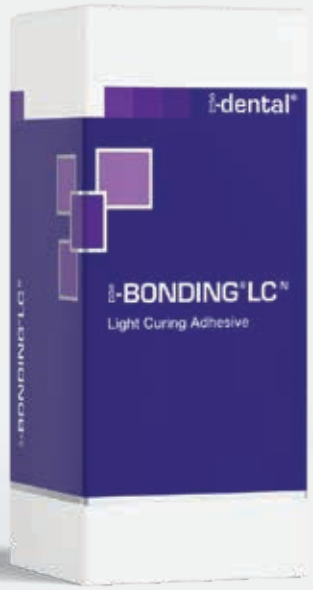
i-BONDING LC N is a 5th generation, bioinert, light-curing, two-step etch-and-rinse adhesive designed for dry bonding technique. It ensures strong adhesion to enamel and dentin, improving retention and sealing of restorations while protecting dental tissues and maintaining function.

The procedure was performed by © Dr. Shih.

The procedure was performed by © Dr. Shih.

Clinical indications

Used to bond dentin and enamel to polymer-based restorative materials, compomers, ceramic surfaces to improve retention of a restoration



Key features

- Strong bond strength to enamel and dentin for reliable and durable restorations
- Consistent flowability allows precise placement and controlled application
- Bioinert formulation eliminates harmful components, ensuring patient safety
- Light-curing in 20 seconds guarantees fast and efficient results
- Designed for dry bonding technique, requiring a fully dried enamel surface for optimal adhesion
- Two-step etch-and-rinse application ensures effective bonding and optimal adhesion

Performance characteristics

- Light curing 20 s
- Shear bond strength (enamel) 21.8±2.4 MPa

Packaging

CODE	CONTENT
IBLTP	5 ml

Storage instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

- Methacrylate mixture 55-95 %
- Acetone 10-30 %
- Conditioner 1-10 %
- Coinitiator <5 %
- Accelerator <1 %
- Inhibitor <1 %
- Photoinitiator <1 %

Shelf life

3 years from the date of manufacture.

LINERS

i-LINER

CE 2797

Light Curing Compomer Liner

i-LINER is an advanced light-curing compomer liner designed to enhance the durability of cavity restorations. Its polyacid-modified composite resin and glass ionomer filler formulation ensures strong adhesion to dentin while mitigating the curing contraction of composite materials.

Designed for professional dental use, i-LINER minimizes the risk of microfractures and secondary caries in deep cavities, supporting long-lasting restorations and optimal patient outcomes. Its dual functionality allows it to be used as a conventional liner covering only the cavity floor or as a full cavity coating, evenly distributing stress and reducing shrinkage-related tension.

Clinical indications

For lining under polymer-based restorative materials, amalgams and porcelain restorations

Key features

Compensates filling shrinkage

Radiopaque

Prevents crack formation

Minimizes microfractures and secondary caries

Enhanced dentin adhesion facilitated by specially engineered formulation

Protects the pulp and prevents postoperative sensitivities

Could be used both both ways: as a usual liner (coating the floor of the cavity) or to coat the entire cavity (stress-breaking function)

Fast and efficient application with only 20 seconds curing time

Performance characteristics

Light curing 20 s

Depth of cure 2.51±0.11 mm

Flexural strength 34.3±2.8 MPa

SURGICAL PROTOCOL FOR LIGHT CURING COMPOMER LINER

Apply layer of etch, on all surface to be etched. Leave etch in place for 15 seconds (dentine), 30 seconds (enamel).

Rinse with water and dry with air. Avoid over drying dentin.

Using application tip apply layer of Light Curing Compomer Liner in a thickness of 1 mm.

Cure with light for 20 seconds at least.

The procedure was performed by © Dr. Shih.

Packaging

CODE	CONTENT
ILIKP	2,5 g syringe, 5 tips
ILIK1	4×2,5 g syringes, 20 tips

Storage instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

- Dental glass reactive 50-70 %
- Methacrylate mixture 20-30 %
- Modifying agent 1- 5 %
- Photoinitiator <1 %
- Coinitiator <1 %
- Opacifier <1 %
- Stabilizer <1%
- Inhibitor <1 %

Shelf life

4 years from the date of manufacture.

i-dental

COMPOSITES

i-FLOW N®

CE 2797

Light Curing Nano Flowable Composite

i-FLOW N is a light-cured, radiopaque nano flowable composite designed for precision in dental restorations. Its smooth, flowable consistency allows for excellent adaptation to cavity walls, making it ideal for small cavities, fissures, and complex restorations. i-FLOW offers strong bonding, aesthetic results, and ease of handling, making it a reliable solution for both anterior and posterior restorations.

Clinical indications

SELF-LEVELING

- For initial placement in class I and II cavities
- For restorations of class III, IV and V cavities
- For sealing pits and fissures
- For root surface caries restorations

The main particle sizes of the inorganic fillers range between **0.25 µm and 1.5 µm**

59,76 %

Filler content by mass

39.79 %

Filler content by volume

Key features

- Flowable consistency ensures precise application and excellent adaptation to cavity walls
- Radiopaque formula provides clear visibility for monitoring restorations
- High flexural strength (110.24±1.4 MPa) ensures durable, long-lasting restorations
- Smooth polishability helps achieve natural tooth aesthetics with an excellent finish
- Balanced viscosity offers ideal self-leveling properties, providing smooth flow while preventing the material from running, ensuring it stays neatly in place
- Practical syringe system allows for controlled and efficient application with minimal material waste

Performance characteristics

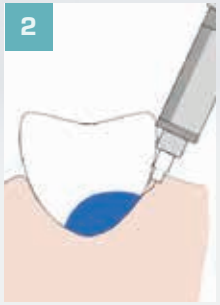
- Light curing time: 20–30 seconds
- Depth of cure: 3.24 ± 0.03 mm
- Water sorption: 17.10 ± 0.20 µg/mm³
- Flexural strength: 110.2 ± 4.1 MPa
- Water solubility: 0.00 ± 0.00 µg/mm³
- Polymerization shrinkage: 4.5 ± 0.15 %

Packaging

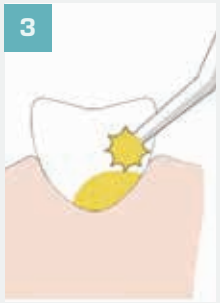
CODE	CONTENT
IFTA1	2 g syringe A1, 3 tips
IFLA1	5 g syringe A1, 5 tips
IFTA2	2 g syringe A2, 3 tips
IFLA2	5 g syringe A2, 5 tips
IFTA3	2 g syringe A3, 3 tips
IFLA3	5 g syringe A3, 5 tips
IFTA35	2 g syringe A3.5, 3 tips
IFLA35	5 g syringe A3.5, 5 tips
IFTB2	2 g syringe B2, 3 tips
IFLB2	5 g syringe B2, 5 tips
IFTK1	4×2 g syringes, 10 tips, shades to select: A1, A2, A3, A3.5, B2

SURGICAL PROTOCOL FOR LIGHT CURING NANO FLOWABLE COMPOSITE (V CAVITIES)

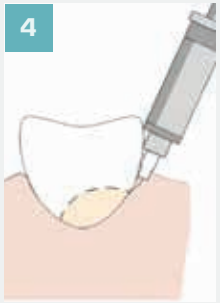
Prepare cavity as always.



Apply layer of etch to surface to be etched. Leave etch in place for 15 seconds (dentine), 30 seconds (enamel). Rinse with water and dry with air.

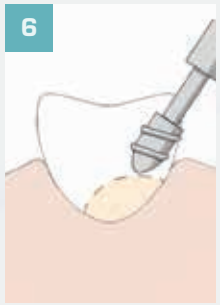


Apply a layer of adhesive immediately onto etched surface.



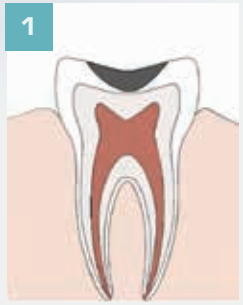
Delicate push on plunger and apply layer of material into the cavity. Do not force plunger.

Light cure for 20-30 seconds (depends on layer deep). Use any polymerization lamp in full mode (not ramp or pulse.

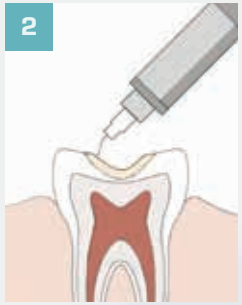


Finish restoration.

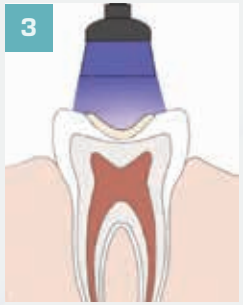
SURGICAL PROTOCOL FOR LIGHT CURING NANO FLOWABLE COMPOSITE (I CAVITIES)



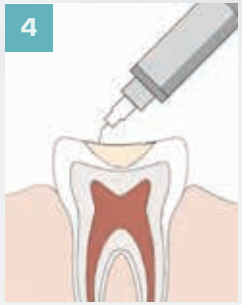
Prepare cavity as always.



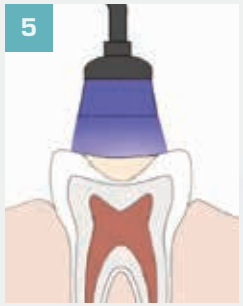
Apply the layer of composite with suitable instrument into cavity. Do not apply layers more than 2 mm deep.



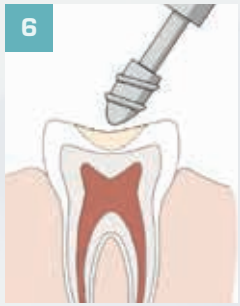
Light cure for 20 seconds per layer. Use any polymerization lamp in full mode (not ramp or pulse mode).



Apply the layer of composite with suitable instrument into cavity. Do not apply layers more than 2 mm deep.



Light cure for 20 seconds per layer. Use any polymerization lamp in full mode (not ramp or pulse mode).



Finish restoration.

Storage instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

- Dental glass grinded 50-70 %
- Methacrylate mixture 30-40 %
- Silicon dioxide 1-5 %
- Coinitiator <1 %
- Photoinitiator <1 %
- Stabilizer <1 %
- Inhibitor <1 %
- Opacifier <1 %
- Pigment 1 %

Shelf life

4 years from the manufacturing date.

i-LIGHT N ®

CE 2797

Light Curing Nano Hybrid Composite

i-LIGHT N is a light-curing, bioinert, radiopaque nano hybrid composite based on the Vita® shade guide, designed for a wide range of restorative applications, including anterior and posterior restorations. The composite offers excellent polishability, shade stability, and mechanical properties, ensuring long-lasting aesthetic and functional restorations.

Zirconium and silica/ barium glass filler: main glass cluster size **0.25-1.5 µm**

Inorganic filler loading by weight **77,63 %**

Based on: UDMA Bis-GMA, EBPADMA TEGDMA

Clinical indications

- For direct restorations of class I, II, III, IV and V cavities
- For indirect restorations such as inlays, onlays
- For cores

Key features

- Reinforced with zirconium to achieve a balance of strength and aesthetics
- Optimized filler composition with irregular particles for durability in high-stress areas
- Smooth and homogeneous consistency allows easy application and effortless sculpting
- Versatile use, suitable for direct and indirect restorations, including inlays, onlays, and cores
- Long-lasting shade stability ensures consistent aesthetic results over time
- Radiopaque formulation enhances X-ray visibility for post-procedural assessment
- Safe and bioinert composition, compatible with enamel and dentin
- Superior polishability enables a high-gloss, smooth surface finish

Performance characteristics

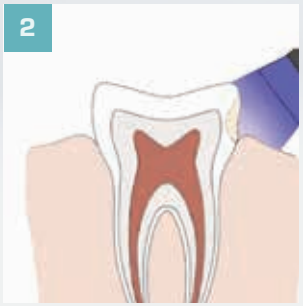
- Light curing time: 20 seconds
- Depth of cure: 2.47 ± 0.03 mm
- Flexural strength: 116.3 ± 3.8 MPa
- Polymerization shrinkage 3.0 ± 0.46 %
- Water solubility: 0.49 ± 0.02 µg/mm³
- Water sorption: 18.05 ± 0.28 µg/mm³

FOR LIGHT CURING NANO HYBRID COMPOSITE (II CAVITIES)

1

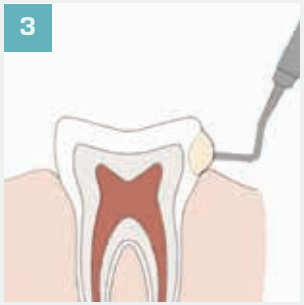
Apply the layer of composite with suitable instrument into cavity. Do not apply layers more than 2 mm deep.

2



Light cure for 20 seconds per layer. Use any polymerization lamp in full mode (not ramp or pulse mode).

3

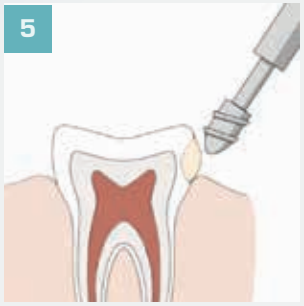


Apply the layer of composite with suitable instrument into cavity. Do not apply layers more than 2 mm deep.

4

Light cure for 20 seconds per layer. Use any polymerization lamp in full mode (not ramp or pulse mode).

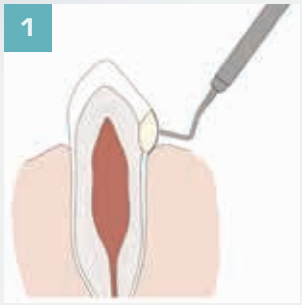
5



Finish restoration.

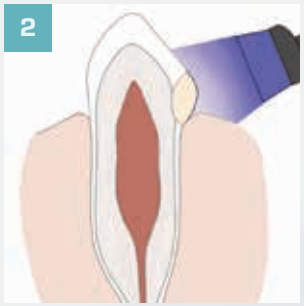
FOR LIGHT CURING NANO HYBRID COMPOSITE (III CAVITIES)

1



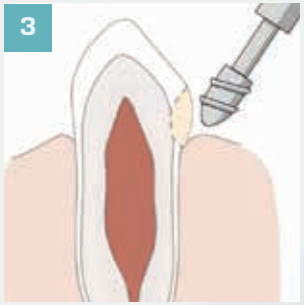
Apply the layer of composite with suitable instrument into cavity. Do not apply layers more than 2 mm deep.

2



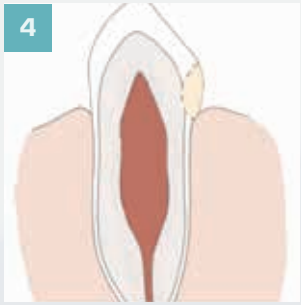
Light cure for 20 seconds per layer. Use any polymerization lamp in full mode (not ramp or pulse mode).

3



Finish restoration.

4



Final restored tooth.

Shelf life

4 years from the manufacturing date.

Storage Instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

- Dental glass grinded 70-80 %
- Methacrylate mixture 30-40 %
- Silicon dioxide 1-5 %
- Coinitiator <1 %
- Photoinitiator <1 %
- Stabilizer <1 %
- Inhibitor <1 %
- Opacifier <1 %
- Pigment <1 %

Packaging options

Available in various VITA® shades, including A1, A2, A3, A3.5, B2, C2 and opaque dentin and universal enamel shade, in convenient 4 g syringes.

Packaging

CODE	CONTENT
ILCA1	4 g syringe dentin shade A1
ILCA2	4 g syringe dentin shade A2
ILCA3	4 g syringe dentin shade A3
ILCA5	4g syringe dentin shade A3.5
ILCB2	4 g syringe dentin shade B2
ILCC2	4 g syringe dentin shade C2
ILCO2	4 g syringe dentin shade OA2
ILCO3	4 g syringe dentin shade OA3
ILCEU	4 g syringe dentin shade EU
ILCN4	4×4 g syringes, shades to select: A1, A2, A3, A3.5, B2, C2, OA2, OA3, EU
ILCN8	8×4 g syringes, shades to select: A1, A2, A3, A3.5, B2, C2, OA2, OA3, EU
ILCN10	10×4 g syringes, shades to select: A1, A2, A3, A3.5, B2, C2, OA2, OA3, EU

CLINICAL CASE. CLASS V RESTORATION USING i-LIGHT

A Class V restoration was completed using i-LIGHT A3 composite. The procedure involved restoring a cervical defect with careful layering to ensure functional and aesthetic integration.

BEFORE

AFTER

CLINICAL CASE. CLASS IV RESTORATION USING i-FLOW AND i-LIGHT

This clinical case demonstrates the successful restoration of a Class IV lesion using i-FLOW A3 and i-LIGHT A3 composite materials. The procedure highlights the seamless combination of a flowable composite for adaptation and a nano-hybrid composite for structure and aesthetics, ensuring a durable and natural-looking outcome.

BEFORE

AFTER

CLINICAL CASE. DIASTEMA CLOSURE USING i-FLOW AND i-LIGHT

The patient's dental condition before the procedure showed a visible diastema between the teeth. The decision was made to use i-GEL, i-FLOW, and i-LIGHT to achieve an effective and aesthetic result.

BEFORE

AFTER

i-XCITE® LC N

CE 2797

Light Curing Nano Hybrid Composite

i-XCITE LC N is a light-cured, nano-hybrid composite meticulously designed for both direct and indirect restorative procedures. Engineered for optimal performance, its bioinert, radiopaque formulation ensures high strength, excellent abrasion resistance, and long-term durability. With shades matching the VITA® shade guide, this composite is offering natural aesthetics and superior color stability, making it ideal for anterior and posterior restorations.

Silica/barium glass filler: main glass cluster size **0.25-3.0 µm**

Inorganic filer loading by weight **77,92%**

Based on: UDMA EBPADMA Bis-GMA, TEGDMA

Clinical indications

- For direct restorations of class I, II, III, IV and V cavities
- For indirect restorations such as inlays, onlays
- For cores

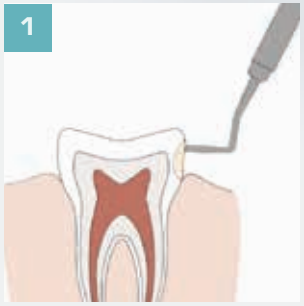
Key features

- High inorganic filler load increase mechanical strength to withstand mastication forces
- Extremely homogeneous and smooth consistency ensures precise handling and effortless sculptability
- Highly resistant to wear, providing reliable long-term performance
- Radiopaque for accurate radiographic evaluation
- Biocompatible composition ensures safety in clinical use
- Achieves a lasting high-gloss finish through fast and easy polishing
- Combines superior aesthetics with durable, long-lasting shades for natural-looking results

Performance characteristics

- Light curing time: 20 seconds
- Depth of cure: 2.50 ± 0.03 mm
- Flexural strength: 119.2 ± 6.6 MPa
- Water sorption: 17.99 ± 0.32 µg/mm³
- Water solubility: 0.68 ± 0.24 µg/mm³

SURGICAL PROTOCOL FOR LIGHT CURING NANO HYBRID COMPOSITE (II CAVITIES)



Apply the layer of composite with suitable instrument into cavity. Do not apply layers more than 2 mm deep.

Light cure for 20 seconds per layer. Use any polymerization lamp in full mode (not ramp or pulse mode).

Apply the layer of composite with suitable instrument into cavity. Do not apply layers more than 2 mm deep.

Light cure for 20 seconds per layer. Use any polymerization lamp in full mode (not ramp or pulse mode).

Packaging

CODE	CONTENT
IXTA1	4 g syringe dentin shade A1
IXTA2	4 g syringe dentin shade A2
IXTA3	4 g syringe dentin shade A3
IXTA35	4 g syringe dentin shade A3.5
IXTB2	4 g syringe dentin shade B2
IXTC2	4 g syringe dentin shade C2
IXTO2	4 g syringe dentin shade OA2
IXTO3	4 g syringe dentin shade OA3
IXTEU	4 g syringe dentin shade EU
IXTN4	4×4 g syringes, shades to select: A1, A2, A3, A3.5, B2, C2, OA2, OA3, EU
IXTN8	8×4g syringes, shades to select: A1, A2, A3, A3.5, B2, C2, OA2, OA3, EU
IXTN10	10×4 g syringes, shades to select: A1, A2, A3, A3.5, B2, C2, OA2, OA3, EU

Packaging Options

Available in various VITA® shades, including A1, A2, A3, A3.5, B2, C2 and opaque dentin and universal enamel shade, in convenient 4 g syringes.

Storage instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

- Dental glass grinded 70-80 %
- Methacrylate mixture 25-35 %
- Silicon dioxide 1-5 %
- Coinitiator <1 %
- Photoinitiator <1 %
- Stabilizer < 1%
- Inhibitor <1 %
- Pacifier <1 %
- Pigment <1 %

Shelf life

4 years from the manufacturing date.

CLINICAL CASE. IV CLASS RESTORATION USING i-XCITE

This clinical case demonstrates the restoration of a central incisor using a direct composite technique. The restoration was completed to address structural damage and enhance the aesthetic appearance of the tooth.

BEFORE

i-XCITE was applied in incremental layers to ensure controlled placement and prevent voids. Each layer was cured for 20 seconds ensuring complete polymerization. The final contouring and shaping were done to replicate the natural tooth morphology, followed by polishing to achieve a high-gloss, smooth finish.

AFTER

The restoration seamlessly integrates with the adjacent teeth, providing a natural appearance, improved structural integrity, and enhanced patient satisfaction.

COMPOSITE POLISHING MATERIALS

i-SHINE®

Composite Polishing Paste

i-SHINE is an optimum viscosity thixotropic composite polishing paste designed for professional use in dentistry. Heat dissipation aluminium oxide has excellent thermal conductivity, which helps reduce heat generation during polishing, protecting both the composite material and the surrounding tissues. This paste is ideal for enhancing the final aesthetics and durability of composite restorations by providing a smooth surface and a natural, glossy finish by removing micro-irregularities without causing significant material loss.

The procedure was performed by © Dr. Burak Yüksel

The procedure was performed by © Dr. Burak Yüksel

Clinical indications

For polishing of composite restorations (to restore smooth surface and natural luster, soften margins, improve overall appearance, and ensure longevity of the restoration)

Key features

- Greatly enhances final polish of dental composite
- Glycerol serves as a lubricant, ensuring smooth consistency and effortless rinsing
- Delivers high luster, mirror-like finish, that closely resembles natural enamel
- Compatible with all types of dental composites
- Efficient application for reduced chair time. Long-lasting, brilliant shine
- Ultra-fine aluminium oxide particles facilitate controlled uniform polishing without surface scratching

Shelf life

2 years from the manufacturing date.

Composition

- Glycerol 50-70 %
- Ultra-fine aluminium oxide particles 30-50 %
- Excipients

Packaging

CODE	CONTENT
ISHP1	4 g syringe

ENDODONTICS

i-EDTA® Solution CE 2797

Root Canal Preparation Solution

i-EDTA Solution is a water-based, neutral pH chelating agent designed for efficient root canal preparation. It removes the smear layer, a layer of debris, dentin particles, and biofilm that accumulates on root canal walls after mechanical instrumentation. By chelating the mineralized inorganic component of dentin, EDTA facilitates the elimination of smear layer residues and helps to open up dentinal tubules, improving the overall effectiveness of the root canal cleaning and sealing process.

To achieve the best results, it is always recommended to use EDTA sequentially with sodium hypochlorite (NaOCl). EDTA removes the inorganic smear layer, allowing NaOCl to effectively dissolve organic debris and necrotic tissue, ensuring optimal decontamination before obturation. The advanced luer-lock syringe system and special bottle connector ensure safe, controlled, and spill-free application, improving workflow efficiency for dental professionals.

Clinical indications

Helps to clean, soften and widen the dentinal walls of the root canals

Performance Characteristics

Neutral pH 7.83±0.01

Key features

Neutral pH 7.83±0.01 ensures compatibility with dentinal surfaces and minimizes the risk of irritation

No liquid spillage with a luer-lock syringe system, ensuring safe and clean application

Water-based formulation easily reaches narrow apical areas and can be easily removed, providing excellent performance even in challenging cases

Custom-built syringe design ensures precise control and smooth motion during product use

Facilitates canal preparation by loosening calcific obstructions and aiding in the removal of debris, supporting effective root canal treatment

Special bottle connector eliminates the need for an adaptor as the syringe attaches directly to the bottle connector. The internal tube enables easy liquid transfer without inverting the bottle

Packaging

CODE	CONTENT
IEDLP	50 ml bottle
IED250	250 ml bottle with special nozzle, 3 ml empty syringe

Storage instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Shelf life

3 years from the manufacturing date.

Composition

- Diluent 80-85 %, Disodium EDTA 17 %
- Buffering agent > 1 %
- Emulsifying agent <1 %

TEMPORARY MATERIALS

i-PRO® LC CE 2797

Light Curing Temporary Filling Material

i-PRO LC is a light-curing, polymer-based temporary filling material designed for interim dental restorations. It provides rapid polymerization, ensuring immediate stability and protection for the underlying tooth structure. The resin-based formulation balances mechanical strength, aesthetics, and ease of use, making i-PRO LC an ideal choice for temporary fillings that support normal dental function without the need for additional patient precautions after placement.

Clinical indications

For temporary fillings

Key features

Ideal for temporary fillings used for both short and extended periods

Rapid polymerization enables immediate stability and function after curing

Excellent adhesion for secure retention

Does not damage preparation boundaries

Durable and saliva-proof, ensuring reliable performance between appointments

High wear resistance for enhanced longevity

Quick and easy removal in one piece, leaving the cavity clean

Non-eugenol composition ensures compatibility with eugenol-sensitive patients

Performance characteristics

Light curing time: 20–40 seconds

Depth of cure: 1.74±0.05 mm

Packaging

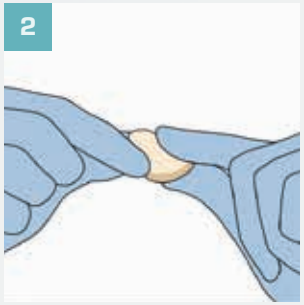
CODE	CONTENT
IPLTP	2×4 g syringes, shade red

SURGICAL PROTOCOL FOR LIGHT CURING TEMPORARY FILLING MATERIAL TEMPORARY

1

Using suitable instrument take out a little of the material.

2



Form a ball with your fingers.

3

Place direct into cavity.

4

Light curing for 20-40 seconds, depending on layer thickness.

Storage Instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

- Monomer 40-60 %
- Aluminium oxide 10-30 %
- Silicon dioxide 10-30 %
- Coinitiator <1 %
- Photoinitiator <1 %
- Inhibitor <1 %
- Pigment <1 %

Shelf life

4 years from the manufacturing date.

i-PRO N

CE 2797

Temporary Filling Material

i-PRO N is a self-curing, eugenol-free temporary filling material designed for interim dental restorations. Composed primarily of zinc oxide and calcium sulfate, it provides secure retention and durability while maintaining compatibility with various restorative materials. Its paste-like consistency allows for easy handling and precise adaptation, simplifying the application process for dental professionals.

i-PRO N is suitable for temporary occlusal restorations and as a sealant in endodontic treatments, effectively protecting the tooth structure between clinical visits. The non-eugenol composition ensures it does not interfere with bonding agents, making it a versatile option for various dental procedures.

Clinical indications

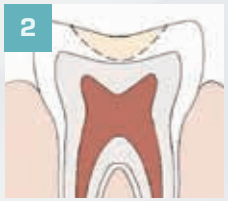
For temporary fillings (of occlusal cavities and sealing after endodontic treatments)

Key features

- Ideal for temporary restorations of varying durations
- Self-curing material sets efficiently in the presence of moisture
- Paste-like consistency allows for easy handling and precise adaptation
- Non-eugenol composition prevents interference with bonding agents
- Excellent retention and resistance to saliva and moisture
- Durable and wear-resistant, providing reliable temporary protection
- Does not contribute to irritation, ensuring patient comfort
- No mixing needed, easy to remove

SURGICAL PROTOCOL FOR TEMPORARY FILLING MATERIAL

Form a ball with your fingers.



Place direct into cavity.

Material hardens by absorption of moisture from mouth.

Storage Instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

- Zinc oxide: 20–50 %
- Calcium sulfate: 20–50 %
- Solvent: 10–30 %
- Fillers: 5–20 %
- Polymer: 5–20 %
- Wax: <1 %
- Pigment: <1 %

Shelf life

2 years from the manufacturing date.

Packaging

CODE	CONTENT
IPMWP	Temporary Filling Material, white, 38 g paste
IPMPP	Temporary Filling Material, pink, 38 g paste

i-ZOE N

CE 2797

Resin Modified Zinc Oxide-Eugenol Cement

i-ZOE N is a chemically curing, resin-modified zinc oxide-eugenol cement, formulated for temporary restorations, cementation of crowns and bridges, and bases under amalgams or glass ionomers. The addition of resin components enhances mechanical stability, handling properties, and sealing performance, making it well-suited for a variety of clinical applications.

The setting reaction is moisture-activated, with full hardening achieved within 2 to 10 minutes intraorally due to oral temperature and humidity. Its precise working time and improved handling properties ensure ease of use for clinicians.

Clinical indications

- For bases and linings under amalgams and glass ionomers
- For temporary fillings; for temporary fixing crowns and bridges

Key features

- Resin modification improves mechanical stability and handling properties
- Reliable adhesion and sealing properties, ensuring secure retention
- Designed for optimal compressive strength in temporary restorations
- Chemically curing formula provides controlled setting time
- Moisture-activated intraoral setting within 2-10 minutes
- Eugenol-based composition contributes to pulp comfort

Performance characteristics

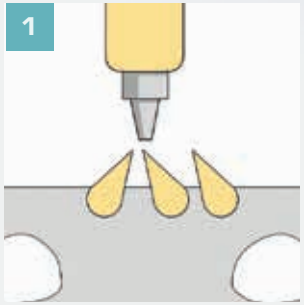
- Compressive strength: 34–44 MPa

Packaging

CODE	CONTENT
ICEKP	20 g powder, 6 g liquid, measuring scoop
ICETP	2×20 g powder, 12 g liquid, measuring scoop

SURGICAL PROTOCOL FOR RESIN MODIFIED ZINC OXIDE EUGENOL CEMENT

1



Mixing ratio: 2 level spoons of powder / 3 drops of liquid.

2

The powder should be added to the liquid in 2 portions (at least).

3

Until exact consistency is reached. Total mixing time is 30 seconds.

4

Total mixing time is 60 - 90 seconds.

5

Apply mixed cement with suitable instrument into cavity.

6

After the cement has set, the restoration is ready for finishing.

Storage Instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from moisture, direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

• Powder:
Zinc oxide 90–99 %, polymer 1–5 %, filler 1–5 %.
• Liquid:
Eugenol 95–100 %.

Shelf life

3 years for powder / 3 years for liquid from the date of manufacture.

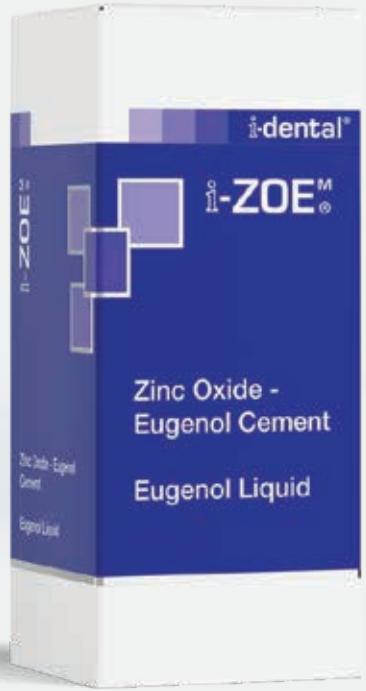
i-ZOE M

CE 2797

Zinc Oxide-Eugenol Cement

i-ZOE M is a self-curing zinc oxide-eugenol cement designed for temporary restorations, cementation of crowns and bridges, and bases under restorations. The material provides secure sealing and retention, ensuring functional stability during the interim phase of treatment.

Its precise mixing properties and controlled working time allow for easy handling and adaptation, making it a practical choice for dental professionals. The setting process is moisture-activated, with oral temperature and humidity contributing to predictable hardening.



Clinical indications

- For temporary tooth fillings
- For temporary fixing crowns and bridges
- For bases under cement restorations

Key features

- Designed for optimal compressive strength in temporary restorations
- Reliable sealing properties, preventing leakage
- Smooth mixing and application ensure easy adaptation
- Moisture-activated setting, adapting to oral conditions
- Eugenol-based formulation helps maintain patient comfort

Performance characteristics

- Compressive strength: 21.6±3.5 MPa
- Film thickness 19.8 µm

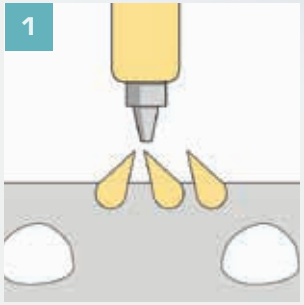
Total working and setting times are as follows:

Normal setting cement: working time is 2-3 minutes including mixing at 23°C, setting time is about 5 minutes at 37°C.

Packaging

CODE	CONTENT
IZMP1	40 g powder, normal setting
IZML1	10 ml
IZML3	50 ml

SURGICAL PROTOCOL FOR ZINC OXIDE EUGENOL CEMENT



Mixing ratio: 2 level spoons of powder / 3 drops of liquid.

The powder should be added to the liquid in 2 portions (at least).

Until exact consistency is reached. Total mixing time is 30 seconds.

Total mixing time is 30 seconds.

Apply mixed cement with suitable instrument into cavity.

After the cement has set, the restoration is ready for finishing.

Storage Instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from moisture, direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

• Powder:
Zinc oxide 90-99 %
Excipients 1-5 %
• Liquid:
Eugenol 99-100 %

Shelf life

3 years for powder / 3 years for liquid from the date of manufacture

RETRACTION MATERIALS

i-PAK® CE

Knitted Retraction Cord

i-PAK is non-sterile, non-impregnated cord made of 100% cotton. Its unique knitted structure forms thousands of tiny interlocking loops, ensuring gentle yet effective gingival retraction during dental procedures. Available in four sizes (#1, #0, #00, and #000), each marked according to its thickness, i-PAK caters to a variety of clinical needs.

Shelf life

6 years from the manufacturing date.

Composition

- Cotton 100 %

Clinical indications

For retraction of sulcular gingiva:

#1 (Blue) for the anterior teeth preparation

#0 (Lilac) for anterior teeth; as upper cord for “two cord” technique

#00 (Yellow) during preparation and cementation of veneers; restorative procedures dealing with thin, friable tissues

#000 (Black) for lower anteriors; when luting near gingival and subgingival veneers; class III, IV V restorations; first cord for “two cord” technique

Key features

Cord is made of 100 % cotton

Knitted into thousands of tiny loops forming long interlocking chains

Compresses upon packing then expands for optimal retraction

Exerts a gentle continuous outward force following placement as knitted loops seek to open

Color-coded sizes provide clear differentiation, ensuring clinical convenience

Hypoallergenic material that is soft and non-reactive, making it suitable for most patients, including diabetics

Bright colors enhance contrast for improved visibility during scan imaging

Provides rapid tissue displacement and detailed margins for quality impressions

Facilitates easy packing and stays in place

Doesn’t tangle in burs or packers

Smart Packaking Design

- Label with ruler - easy to measure
- Tangle-free dispenser design with a thin plastic gate for controlled motion
- Cap with cutter saves time - no scissors needed
- Integral stainless steel blade cuts clean and protects fingers every time

Packaging

CODE	CONTENT
IPU03	Knitted retraction cord #000 (244 cm), ultra-thin, black
IPU02	Knitted retraction cord #00 (244 cm), thin, yellow
IPU01	Knitted retraction cord #0 (244 cm), medium, lilac
IPU11	Knitted retraction cord #1 (244 cm), medium thick, blue

GLASS IONOMER CEMENT

i-FIX® Plus

CE 2797

Resin Modified Glass Ionomer Luting Cement

i-FIX PLUS is a resin-modified glass ionomer luting cement designed for long-term cementation of restorations. Its strong adhesion, easy handling, and low film thickness make it an excellent choice for crowns, bridges, inlays, onlays, and orthodontic bands. The universal shade ensures aesthetic results, while the smooth consistency allows for precise placement and excess removal.

Clinical indications

- For cementation of all metal bridges, inlays, onlays
- For cementation of metal orthodontic brackets to tooth structure

Key features

- Radiopaque and visible on X-rays for post-procedural evaluation
- Low film thickness ensures precise seating of restorations
- Universal shade for seamless integration
- Strong adhesion to tooth structure and metal for reliable retention
- No primer needed, easy mixing for efficient preparation
- Simple handling and effortless removal of excess cement

Performance characteristics

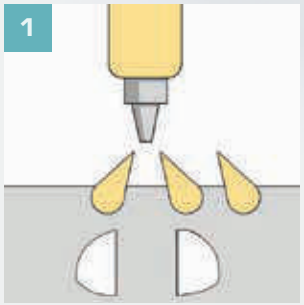
- Flexural strength 53.5 MPa
- Film thickness 14.2 µm

Packaging

CODE	CONTENT
IIXPT	7 g powder, 4 g liquid, measuring scoop
IIXPP	20 g powder, 2×6,5 g liquid, measuring scoop
IIXPL	6,5 g liquid

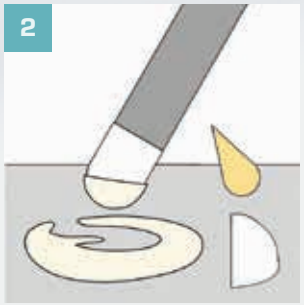
SURGICAL PROTOCOL FOR RESIN MODIFIED GLASS IONOMER LUTING CEMENT

1



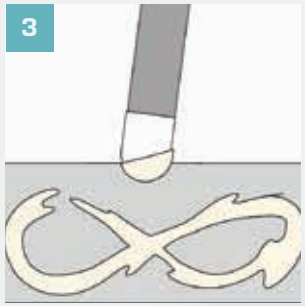
Mixing ratio: 1 level spoon of powder / 3 drops of liquid. For mixing use metal or plastic spatula and glass slab or paper mixing pad. Divide powder into two parts.

2



Mix the first half of powder with liquid for 10 seconds, and then add remainder.

3



Mix until exact consistency is reached. Total mixing time is 30 seconds. Do not add powder in small portions .

4

Apply the mixed cement with suitable instrument to both restoration and prepared tooth immediately after mixing. Total working time is 2 minutes including mixing.

5

After 6 minutes from start of mixing restoration is ready for finishing.

Storage Instructions

Keep product tightly closed in dry well-ventilated place at 5-25°C. Protect from moisture, direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Shelf life

2 years for powder / 2 years for liquid from the date of manufacture.

Composition

Powder

- Fluoroaluminosilicate glass 90-100 %
- Polybasic carboxylic acid 0.1-1.0 %
- Excipients 0.1-1.0 %

Liquid

- Water 25-50 %
- Polybasic carboxylic acid 25-50 %
- Methacrylate resins 25-50 %
- Excipients 0.1-1.0 %

i-FIX® CE 2797

Glass Ionomer Luting Cement

i-FIX is a self-curing glass ionomer luting cement engineered for long-term cementation of crowns, bridges, inlays, onlays, and orthodontic appliances. Its chemical bonding to enamel, dentin, and metal ensures secure retention, while the low film thickness supports precise restoration seating and easy excess removal.

Clinical indications

- For cementing metal and ceramic crowns, bridges, inlays, onlays
- For cementing orthodontic brackets and bands

Key features

- Strong adhesion to dentin, enamel, and metal for reliable retention
- Low film thickness enables precise seating and placement
- Excellent biocompatibility, safe for a wide range of patients
- No etching or bonding required, simplifying application
- Resin-free formulation, suitable for patients with methacrylate allergies
- Radiopaque, ensuring visibility on X-rays
- Designed for optimal aesthetics, suitable for use with ceramics
- Easy excess removal, allowing for clean margins and effortless post-cementation finishing

Performance characteristics

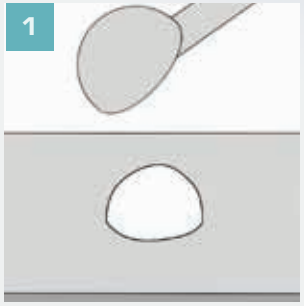
- Compressive strength 126.1 MPa
- Film thickness 15.4 µm
- Lead content 0.17 mg/kg

Packaging

CODE	CONTENT
IIXTP	20 g powder, 13g liquid, measuring scoop
IIXTL	13 g liquid

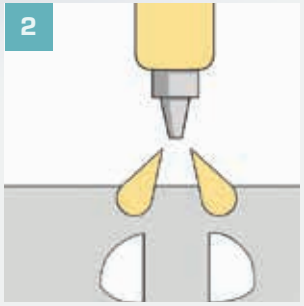
SURGICAL PROTOCOL FOR GLASS IONOMER LUTING CEMENT

1



Mixing ratio: 1 level spoon of powder / 2 drops of liquid. For mixing use metal or plastic spatula and glass slab or paper mixing pad.

2

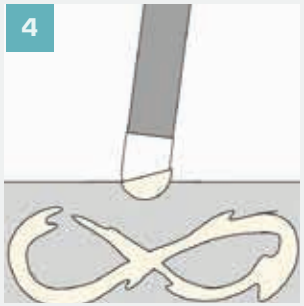


Divide powder into two parts.

3

Mix the first half of powder with liquid for 10 seconds, and then add remainder.

4



Mix until exact consistency is reached. Total mixing time is 30 seconds. Do not add powder in small portions.

5

Apply the mixed cement with suitable instrument to both restoration and prepared tooth immediately after mixing.

6

After 8 minutes from start of mixing restoration is ready for finishing.

Storage Instructions

Keep product tightly closed in dry well-ventilated place at 5-25°C. Protect from moisture, direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

Powder

- Fluoroaluminosilicate glass 80-95 %
- Polybasic carboxylic acid 1-10 %

Liquid

- Water 50-75 %
- Polybasic carboxylic acid 25-50 %

Shelf life

3 years for powder / 5 years for liquid from the date of manufacture.

i-FIL® CE 2797

Glass Ionomer Filling Cement

i-FIL is a self-curing glass ionomer filling cement designed for restorations in Class III and V cavities, pits and fissures, as well as Class I and II in deciduous teeth. Its high-strength formulation ensures long-term performance, while its tooth-matching shade provides aesthetic results. i-FIL can also be used in Sandwich technique and Atraumatic Restorative Technique (ART), making it a versatile solution for minimally invasive dentistry.

Clinical indications

For restoration of class III and V cavities, pits and fissures, class I and II cavities in deciduous teeth

Key features

- Fast-setting formulation for efficient restorative procedures
- Aesthetic translucency and tooth-matching shade for seamless integration
- Strong mechanical properties ensure long-term durability
- Excellent resistance to wear and erosion
- Easy mixing and handling for precise application
- Biocompatible and suitable for various restorative techniques

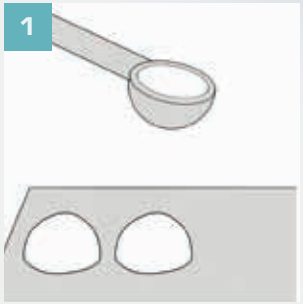
Performance characteristics

Compressive strength 264.7 MPa

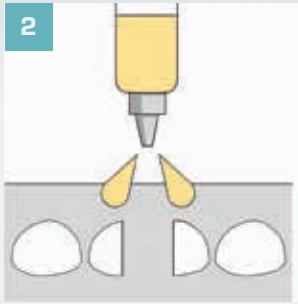
Packaging

CODE	CONTENT
IFITP	10 g powder A2, 10g powder A3, 6 g liquid, measuring scoop
IFIA2	2×10 g powder A2, 6 g liquid, measuring scoop
IFIA3	2×10 g powder A3, 6 g liquid, measuring scoop
IFITL	6 g liquid

SURGICAL PROTOCOL FOR GLASS IONOMER FILLING CEMENT



For mixing use metal or plastic spatula and glass slab or paper mixing pad.



Hold liquid bottle vertically upright and squeeze gently when dispense a liquid.

Divide powder into two parts. Mix the first half of powder with liquid for 10 seconds.

Then add remaining.

Mix until exact consistency is reached. Total mixing time is 30 seconds.

Apply the mixed cement with suitable instrument into cavity.

After 8 minutes from start of mixing, restoration is ready for finishing.

Storage instructions

Keep product tightly closed in dry well-ventilated place at 5-25°C. Protect from moisture, direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

Powder

- Fluoroaluminosilicate glass 80-95 %
- Polybasic carboxylic acid 10-20 %
- Pigments 0.001-0.01 %

Liquid

- Water 50-75 %
- Polybasic carboxylic acid 25-50 %

Shelf life

6 years for powder / 5 years for liquid from the date of manufacture.

DUAL CURING CEMENT

i-CORE® CE 2797

Dual Curing Core Build-Up and Post Cementation Material

i-CORE is a dual-curing, radiopaque material specifically designed for core build-ups and post cementation. Its advanced formulation combines light-curing for efficient application and chemical curing for reliable results in areas with limited curing light access. i-CORE ensures excellent adhesion to both tooth structures and restorative posts, delivering strong and durable restorations. The material's creamy consistency and auto-mixing tips allow homogeneous application, precise handling, and economical use, making it an ideal choice for complex restorative procedures.

Clinical indications

For core build-up and post cementation

Key features

Radiopaque for easy identification and post-procedural evaluation on X-rays

High mechanical strength for long-lasting restorations under occlusal forces

Smooth, creamy consistency enables precise application and easy handling

High-quality mixing tips ensure homogeneous material consistency

Bulk application compatibility ensures consistent setting and performance

Intraoral tips facilitate easy access to posterior areas for precise application

High adhesion to tooth structures and posts ensures reliable bonding and durability

Dual-curing system ensures quick light-curing (20–40 seconds) and reliable chemical curing (3–4 minutes) for ultimate bonding experience

Performance characteristics

Flexural strenght 92.3±4.8 MPa

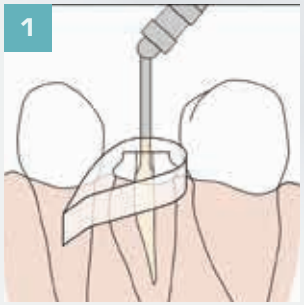
Water sorption 18.49±0.15 µg/mm³

Water solubility 0.75±0.26 µg/mm³

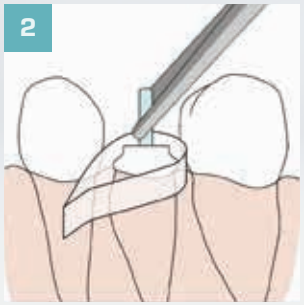
Packaging

CODE	CONTENT
ICOR1	9g syringe, 10 automix tips, 10 intraoral-root canal tips, 10 endo tips

SURGICAL PROTOCOL FOR DUAL CURING CORE BUILD-UP AND POST CEMENTATION MATERIAL

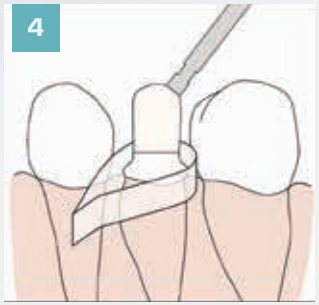


Mount the intraoral-root canal tip onto the automix tip and dispense the cement directly into the canal.



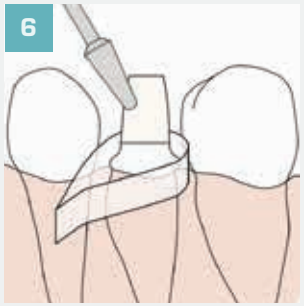
Seat the post carefully and rotate slightly to avoid trapping air.

Let the cement flow from the canal space. Light cure for 10 seconds to fix the position of the post.

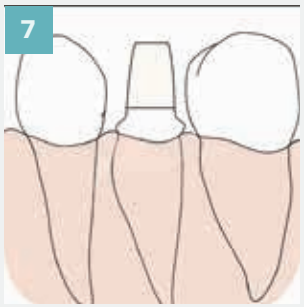


Continue to apply the material around the post and form a core.

Light cure for 20-30 seconds all surfaces and margins after removal of all excess cement.



Finish polishing.When material has hardened fully, remove a matrix if was used.



Finish using standard technique.

Storage instructions

Keep product tightly closed in dry well-ventilated place at 2-8°C (preferable in refrigerator). Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

Base

Dental glass grinded based on silica and barium 50-70 %, methacrylate mixture 30-50 %, silicon dioxide 1-5 %, initiator <1 %, opacifier <1 %, inhibitor <1 %

Catalyst

Dental glass grinded based on silica and barium 50-70%, methacrylate mixture 30-50 %, silicon dioxide 1-5 %, coinitiator <1 %, stabilizer <1 %, photoinitiator <1 %, opacifier <1 %, inhibitor <1 %, pigment <1 %

Shelf life

2 years from the date of manufacture.

i-FIX® Duo CE 2797

Dual Curing Adhesive Resin Cement

i-FIX Duo is a dual-curing, radiopaque resin cement designed for the permanent cementation of indirect restorations. Its advanced formulation ensures high mechanical strength, excellent adhesion, and reliable marginal sealing. i-FIX Duo combines light-curing for time efficiency and chemical curing for areas where light access is limited, ensuring consistent and durable restorations. Its smooth consistency allows for precise application, while its radiopacity facilitates easy post-procedural evaluation on X-rays.

Clinical indications

- For the permanent cementation of indirect restorations including ceramic, composite and metal-based inlays, onlays, crowns and bridges
- For the permanent cementation of posts

Key features

- High flexural strength for durable and long-lasting restorations
- Radiopaque for easy identification during post-procedural evaluations on X-rays
- Smooth and creamy consistency enables precise application and easy handling
- Suitable for a wide range of indirect restorations
- Provides reliable marginal sealing to prevent microleakage
- Excellent adhesion to both tooth structures and restoration surfaces for secure bonding
- High-quality mixing tips ensure homogeneous material mixing and minimize material waste for more economical product use
- Dual-curing system ensures quick light-curing (10–30 seconds) and reliable chemical curing (3–4 minutes) for ultimate reliance

Performance characteristics

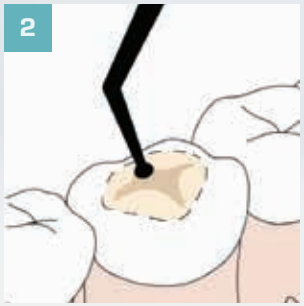
- Flexural strength 115.4±8.4 MPa
- Water sorption 24.28±0.45 µg/mm³
- Water solubility 0.64±0.21 µg/mm³
- Film thickness 8.8 µm

Packaging

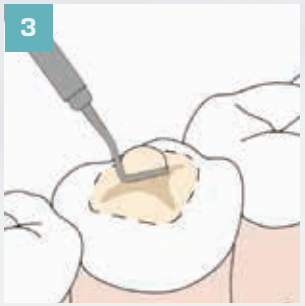
CODE	CONTENT
IFDTP	8 g double syringe, 10 automix tips, 10 intra oral tips

SURGICAL PROTOCOL FOR DUAL CURING ADHESIVE RESIN CEMENT

Dispense the cement directly into the restoration. Cover all surfaces.



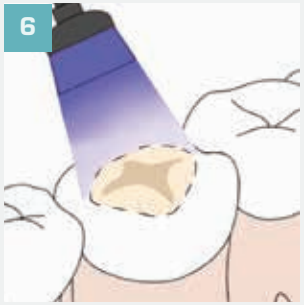
Seat the restoration firmly onto the preparation. Stabilize until cementis fully set.



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 orby allowing the cement to self-cure for approx. 30 seconds - 1 minuteafter application.

Light cure for 20-30 seconds all surfaces and margins after removal of all excess cement.



Light cure for 20-30 seconds all surfaces and margins after removal of all excess cement.

Finish and polish.

Storage instructions

Keep product tightly closed in dry well-ventilated place at 2-8°C (preferable in refrigerator). Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

Composition

Base

Dental glass grinded based on silica and barium 50-70 %, methacrylate mixture 30-50 %, conditioner 1-5 %, silicon dioxide 1-5 %, initiator <1 %, opacifier <1 %, accelerator 1 %, inhibitor <1 %.

Catalyst

Dental glass grinded based on silica and barium
50-70 %, methacrylate mixture 30-50 %, silicon dioxide 1-5 %, coinitiator <1 %, stabilizer <1 %, photoinitiator <1 %,
inhibitor <1 %, pigment <1 %.

Shelf life

2 years from the date of manufacture.

MISCELLANEOUS

i-OIL Dental Handpieces Heads Oil CE

Clinical indications

For the internal mechanisms of dental handpieces and air motors and general handpiece maintenance

Key features

- Universal
- High material compatibility
- Excellent lubrication
- Universal nozzle

Packaging

CODE	CONTENT
IHSCP	500 ml, Handpiece Oil Spray Universal with nozzle

i-OIL Plus Synthetic Dental Handpieces Heads Oil CE

Clinical indications

For the internal mechanisms of dental handpieces and air motors and general handpiece maintenance

Key features

- Prolongs the working life of dental handpieces
- Ensures smooth lubrication without blocking
- Odourless and easy to apply
- Shelf life of 5 years, providing long-lasting usability
- The jet spray pattern ensures precise and targeted application, delivering optimal coverage exactly where it's needed
- Comes in a pressurized 500ml container, ensuring adequate product quantity for extended use

Packaging

CODE	CONTENT
IHSOP	500 ml, Handpiece Oil Spray Universal with nozzle

ACCESSORIES TIPS

Disposable Micro Applicators CE

Clinical indications

For application of dental materials.

Key features

Hygienic dispensing

Multiple applicator colors are available to identify different materials during a procedure.

Three precise head sizes, Regular (2.5 mm), Fine (2.00 mm) and Ultrafine (1.5 mm)

Packaging

CODE	CONTENT
IB05R	100 pcs box, Regular size, color: blue
IB05F	100 pcs box, Regular size, color: green
IB05U	100 pcs box, Regular size, color: lavender

Application Tips CE

CODE	CONTENT
INTB1	50 pcs pack, Application tip for syringes, 23G, bent 45°, blue
INTB2	50 pcs pack, Application tip for syringes, 20G, bent 45°, black

Root Canal Tips

CODE	CONTENT
IBT2	100 pcs pack

Intra Oral Tips

CODE	CONTENT
IBT1	100 pcs pack

Mixing tips

CODE	CONTENT
IBT3	20 pcs pack

Syringe Connectors

CODE	CONTENT
IBSC	10 pcs pack

Measuring scoops

CODE	CONTENT
IBS1	4 pcs pack

Syringes Clear

CODE	CONTENT
IBS0	3 ml x 5 pcs pack

NOTES

NOTES

i-dental

Reliable solutions for everyday dentistry

Find more at www.i-dental.lt
or scan the QR code.

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