

- 
- ✓ **No** anesthesia
 - ✓ **No** drilling
 - ✓ **One** visit
 - ✓ **400+** clinical studies

Treat caries proactively
with **micro-invasive resin
infiltration** treatment

Icon Proximal
Infiltration treatment



Micro-invasive treatment
of proximal caries



Proximal caries: The challenge

Proximal areas aren't just a problem when brushing. Caries can form quickly, which are difficult not only to detect, but also for the dentist to reach physically.

Icon: The answer

Caries infiltration with Icon fills the gap between prophylaxis and filling, while also optically blending in the lesion with the healthy enamel, without drilling.

The infiltration method is simple: After pre-treatment with Icon Etch, a highly fluid resin (Icon Infiltrant) is applied to the affected area. Capillary action draws the infiltrant deep into the porous enamel, and it is then light-cured, effectively blocking the penetration of cariogenic acids.

The incipient caries are stopped quickly and without drilling or anesthesia, and healthy tooth structure is preserved.

Why you should opt for Icon

- Esthetic results on smooth surfaces
- Arrests the progression of caries in early stages
- Preserves healthy tooth structure
- No anesthesia or drilling required
- One quick and simple patient visit

Early intervention thanks to infiltration micro-invasive caries treatment



Incipient caries before treatment: Damaging acids attack the enamel, drawing out minerals, and the tooth becomes porous.



Infiltration treatment with Icon Proximal: Through capillary action, the low-viscosity infiltrant penetrates deep into the porous tooth enamel where it is then cured with light.



After micro-invasive treatment: The polymerised infiltrant reliably seals the lesion and stops the progression of incipient caries early on.



Icon Proximal closes the gap between preventive and invasive caries treatment options

Preventive fluoride therapy

Remineralization of carious lesions in the early stages

Enamel already demineralized, but surface still intact

After fluoridation, repeated follow-up checks are needed

Micro-invasive infiltration

Treatment of incipient caries

Lesions up to the outer third of the dentin (E1-D1)

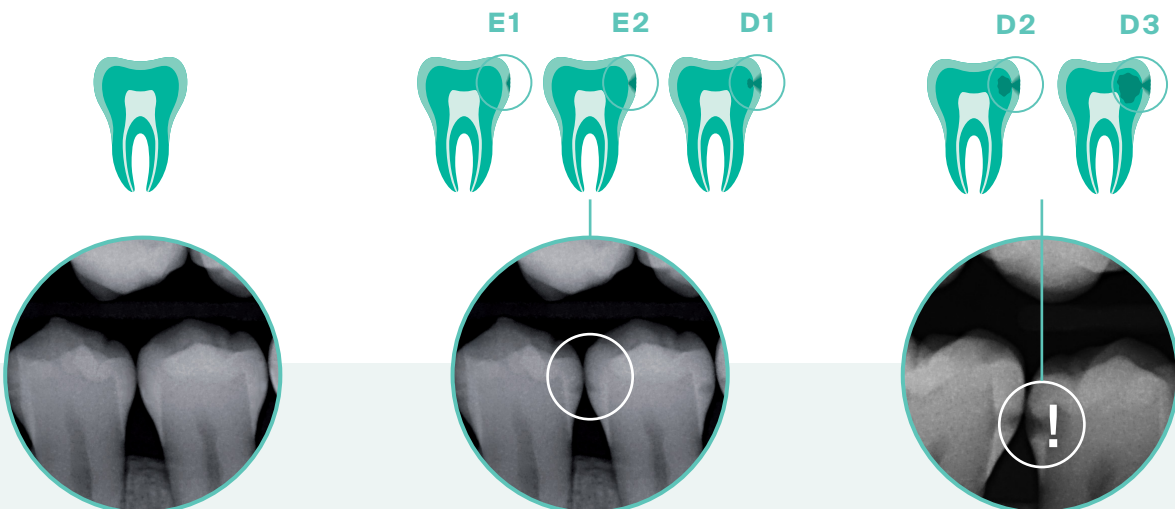
One infiltration treatment stops incipient caries and protects the tooth substance without drilling

Invasive drilling and filling

Treatment of advanced caries

Lesions beyond the outer third of the dentin

Drilling results in the loss of healthy tooth substance



Incipient carious lesions can be remineralized by means of fluoridation with prophylaxis products.

Icon Proximal can be used to effectively arrest the progress of caries that X-rays show have not advanced farther than the outer third of the dentin (E1-D1).

If X-rays show the lesion has advanced past the outer third of the dentin, classic invasive treatment is needed.



Proven in practice Recommended by dentists



"This micro-invasive therapy allows us to treat proximal carious lesions painlessly while retaining the tooth structure."

Prof. Hendrik Meyer-Lückel / Prof. Sebastian Paris, developers of the infiltration therapy



"The infiltration concept (Icon) is a very useful treatment method for proximal enamel lesions."

Erik-Jan Muts, MSc



"I trust this product (Icon) as it provides predictable results without affecting the enamel, making it a reliable option in my day-to-day practice. It has helped me to offer my patients a minimally invasive solution that protects their teeth and improves their self-confidence."

Dr Kiran Shankla

Tips for **successful** treatment

USE DIAGNOSTIC TOOLS

- › Use bitewing x-rays for early lesion diagnosis
- › Assess the need for x-ray images in advance (i.e. use of fiber-optic transillumination devices).

KEEP PATIENT DOCUMENTATION

- › Remember, Icon is not radiopaque (*certain filler materials are needed to make it radiopaque, which would negatively affect the infiltrant's flow properties, and therefore its penetrative ability*).
- › Use the patient card included in each kit to document the procedure and follow up visits.

MAINTAIN A DRY WORKING FIELD

- › A dry field is critical for treatment and is achieved within seconds using the DMG

MiniDam; it can be quickly applied by just one person and stabilizes itself—without clamps.

CREATE PROPER SEPARATION BETWEEN TEETH

- › Slowly create separation between the teeth. Like stretching out a muscle, the tissue has to respond to the increase in pressure.
- › Insert the wedge between the teeth until you feel resistance. Hold the wedge in position for several seconds. Softly push the wedge further until the widest part of the wedge creates enough separation between the teeth.
- › Tip: Orthodontic rubber rings (separating rubber) can also be used for separation. Place them one hour to one day before the infiltration treatment.

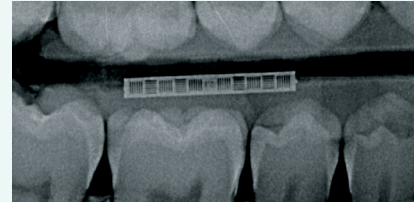
Infiltration treatment steps.

Simple, effective.

Diagnosis



Initial clinical situation.



Exact and early detection of proximal lesions by means of bitewing X-ray. Fiber-optic transillumination or NIRI can be used as an alternative.

Preparation



Clean the affected tooth and adjacent teeth, remove residue with water spray. Insert the dental wedge for tooth separation gently and in increments, so that the tissue can adjust to the changes in pressure.



Local isolation by means of rubber dam or MiniDam (see right).

Treatment

Treatable lesions per package type

	Mini Kit	Cube
Treatable Teeth	4	14
Patient Packs	2	7



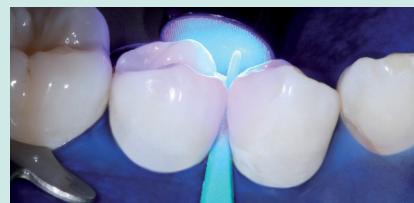
Etch for 2 minutes with HCl gel Icon Etch – the etching gel only comes out from the cyan-colored side of the applicator, which gives optimal protection for the adjacent teeth that are not affected.



Dry for 30 seconds and prepare the lesion with Icon Dry.



Infiltrate for 3 minutes with Icon Infiltrant. Use dental floss to remove excess material.

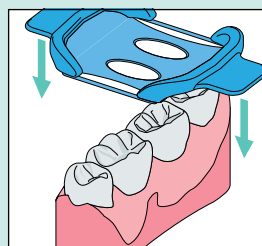


Light cure for 40 seconds from all sides. Infiltrate again for 1 minute with Icon Infiltrant, remove excess material and light-cure for 40 seconds. Subsequent surface polish with polishing strips.

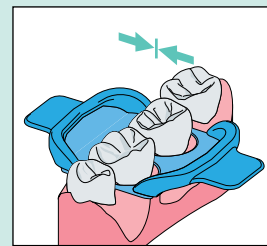
Faster protection and adequate isolation where it matters – with the DMG MiniDam

The DMG MiniDam protects the proximal area during treatment – quickly, easily and comfortably for the patient. The practical silicone shield ensures that the site being treated is sufficiently dry, while the gingiva is protected from the materials being used (e.g. etching gel).

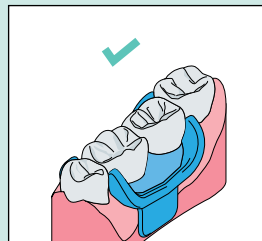
The DMG MiniDam can be placed by just one person in a few seconds. It stabilizes itself, without clamps, making application extremely comfortable for both the dentist and the patient. Plus, it is latex-free, making it ideal for allergic patients.



Stretch the DMG MiniDam and pull it towards the gingiva.



Relieve the tension on the DMG MiniDam and fold it over cervically.



The DMG MiniDam holds firmly in place without the need for clamps.

Product Information

Icon Proximal

1 Patient Pack contains

- 1 Syringe @ 0.45 ml Icon Etch
- 1 Syringe @ 0.45 ml Icon Dry
- 1 Syringe @ 0.45 ml Icon Infiltrant
- 6 Icon Proximal Tips + 1 Icon Capillary Tip
- 4 Dental Wedges

Icon Proximal Mini Kit

- 2 Patient Pack

Icon Proximal Cube

- 7 Patient Packs

MiniDam

- 20 MiniDams

REF 220400

REF 220401

REF 220381



Discover Icon

Whether it's a casebook, research article or testimonial – find tips, examples, report and support at:

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