











Faktaark iM3 forseglingsprodukter





Fremgangsmåde:

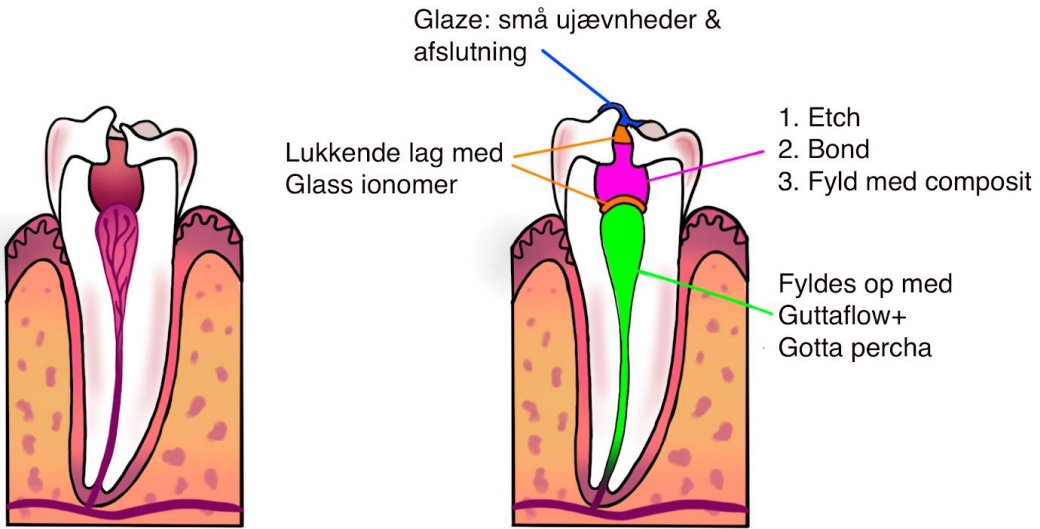
1. Bleach
2. EDTA
3. Guttaflow
4. Glass ionomer Cement
5. Etch
6. Bond
7. Composite
8. Glaze

Varenr.	Produkt	Beskrivelse
SHC250	Parcan 3% Sodium Hypochlorite 250ml 	BLEACH: Sodium Hypochlorit anvendes til at skylle/ rense kanaler. Til overrisling / debridering af rodkanaler under og efter instrumentering
CAN1007 / CAN5007	CANAL PRO EDTA 17% 100ML 	EDTA: 17% EDTA-opløsning (pH 8,5) Fjerner udjævningslag og dentin-mudder Åbner dentinrør for: - Desinfektionsløsninger (f.eks. alkohol) for at arbejde bedre - Bedre vedhæftning af tættetre og obstruktionsmaterialer
GUT2AP	ROEKO GUTTAFLOW 2 - 5ML 	GUTTAFLOW: Udvidelse møder vedhæftning. Den nye GuttaFlow-generation ROEKO GuttaFlow 2 er et nyt påfyldningssystem til rodkanaler, der kombinerer to produkter i en: Gutta-percha i pulverform med en partikelstørrelse på mindre end 30 um og forsegler. Dette nye påfyldningssystem fungerer med kold fri strømning gutta-percha. ROEKO GuttaFlow 2 er en fremgang for det eksisterende GuttaFlow-materiale i kapsler og har de samme fremragende materialelegenskaber: Flydeligt koldt påfyldningssystem

		<p>To i én - kombinerer sealer og gutta-percha Fremragende flowegenskaber Opløselighed er næsten nul Tæt tætning af rodkanalen Meget god biokompatibilitet Optimal beskyttelse mod geninfektion Fremragende radiopacitet Giver mulighed for præcis postforberedelse ROEKO GuttaFlow 2 viser en svag ekspansion, og den klæber meget godt til gutta-percha-punktet (masterpoint) såvel som til dentinet. Derfor er ingen tidskrævende kondensering nødvendig.</p>
GUT2MT	<p>ROEKO GUTTAFLOW 2 STANDARD MIXING TIPS (24PCS)</p> 	<p>GUTTAFLOW: Roeko GuttaFlow 2 Standard Mixing Tips (24pcs)</p>
GUTGVT	<p>Roeko GuttaFlow 2 - Veterinary Mixing Tips - 20pcs</p> 	<p>GUTTAFLOW: Roeko GuttaFlow2 - Veterinære Mixing Tips - 20 stk. Disse kan tilpasses rodkanalen ved at klippe/ afkorte.</p>
GUT2M7	<p>ROEKO GUTTAFLOW 2 VETERINARY 17GA MIXING TIPS (20PCS)</p> 	<p>GUTTAFLOW: Roeko GuttaFlow 2 Veterinære 17ga Mixing Tips (20pcs)</p>

GL1020G	<p>iM3 GLASS IONOMER CEMENT</p> 	<p>GLASS IONOMER CEMENT: Restorativ cementglas med høj styrke</p> <p>Pulver (flaske) 20 g Flydende (flaske) 15 ml</p> <p>Brug som hulrumsforing af fyldninger Fissurforsøgling Påfyldning af små ikke-karrige defekter ved hårdt tandvæv Midlertidig fyldning</p> <p>Afsluttende lag på behandlingen - yderste lag som er hvidt. Glass Ionomer "gemmer" farveforskellene ved brug af create/silk</p>
E3665G	<p>iM3 ETCHGEL</p> 	<p>ETCH: O-FOSFORISyre 36% dental ætsningssystem</p> <p>Baseret på vand, oprenset og ozoneret efter internationale farmakologiske standarder, som sikrer en let og komplet skylning af produktet.</p> <p>Formuleret ved hjælp af naturlige råvarer, som ikke pletter tænder.</p> <p>6,5 g sprøjte</p>
ETCTIP1	<p>iM3 ETCHGEL TIPS - 5PCS</p> 	<p>ETCH: Additional Tips for iM3 Etchgel Pack of 5</p>
BOND4B	<p>iM3 BOND</p> 	<p>BOND: Universal, tandklæbeanlæg.</p> <p>Først lim - herefter materiale kan påføres.</p> <p>Sikrer limstyrke på niveauet 20 ± 3 MPa til emalje og ca. 12 ± 2 MPa til dentin.</p> <p>Fås i en 4 ml flaske.</p>

TCCG1G	iM3 COLOURFLOW-GREEN 	<p>COMPOSITE: Light cured flowable dental composite</p> <p>COLOURFLOW er en moderne, lyshærdet komposit</p> <p>COLOURFLOW-komposit udviser høje niveauer af bøjningsstyrke: mellem 90-100 MPa.</p>
TCCP1G	iM3 COLOURFLOW - PINK 	<p>COMPOSITE: Fås i en 1 g sprøjte.</p> <p>Har farven grøn/pink så man nemt kan se materialet.</p> <p>Er lidt mere tynd-flydende end Create.</p>
CCA16G	iM3 CREATE A1 	<p>COMPOSITE: Let hærde tandkomposit - restaurativt på cirka 2 timer. Ikke-invasivt og overkommelig alternativ til implantater. Til tandlæger og tandteknikere.</p> <p>Fås i en 6 g sprøjte.</p> <p>Kræver øvelse at arbejde med. Lidt mere fast i konsistens. alm. cement konsistens.</p>
GLAZ3B	iM3 GLAZE 	<p>GLAZE: er et universelt lyshærdet produkt, skabt på basis af organiske harpikser. Det kan anvendes på alle slags materialer: lette og selvhærdede. Glaserede tænder kræver ikke yderligere polering.</p> <p>GLAZE øger glansen af kompositfyldninger, sammensatte restaureringer og glasionomerer.</p> <p>Giver en overflade-skinende-kosmetisk afslutning - Glaze udglatter/glazer for små ujævnheder. (Ligesom man glazer en kage)</p> <p>GLAZE øger også den mekaniske styrke og holdbarhed af glasionomerer markant.</p> <p>Fås i en 3 ml flaske.</p>



Endodontic procedure

✓ Firstly, start by examining the mouth. Probing, charting and carrying out **full mouth dental radiographs**. Then **scale and polish** the teeth, using a fluoride-free and oil-free prophylaxis paste.

✓ Ensure a radiograph of the tooth to be treated is obtained.

✓ Create your access hole, if required, using a **round, size 2, surgical bur (25mm) [C9085]**. Direct the bur towards the apex of the root until you feel the burr “slip” into the pulp cavity. With the **NiTi rotary endodontic files [*]**, a separate access from the crown fracture may not be required.



✓ Insert a **K-file (ISO size 15) [*]** until it reaches the apex of your cavity and radiograph to confirm. Move the endo-stop to the coronal access point once happy and measure on an **endodontic ruler [ENDRUL]**. This is your working length.

✓ Remove the contents of the pulp cavity by inserting the **barbed broach [BB4715]**, twisting to engage the pulp and then carefully pulling out. Do not use a size too big as this could break when you try to pull. **DO NOT TOUCH** the tip of the barbed broach as it is extremely sharp.



✓ **Gates-glidden [GG1628, GG1632]** drills can be used, if required, to enlarge the coronal third of the canal (they are not flexible and care should be taken in curved canals as they may break). Calculate 1/3 of your working length. Using your gates-glidden, starting with size two, drill into your access point as measured (e.g if your working length is 30mm, drill down 10mm). Increase to size 3 gates-glidden and drill down, approximately 8mm, gradually reducing your depth with every increase in size to create a tapered entry point. Gates-glidden are an RA attachment and should be used in the low speed handpiece with a 4:1 contra angle attachment.



✓ Place the endo-stop on the next largest K-file (ISO size 20) that measures your working length and work this to the apex. K-files are spiral and inserted by twisting clockwise and removed by pulling out. The size of file is gradually increased, x-raying as needed to ensure the instrument is reaching the apex.



- ✓ **H-files** [*] are used by inserting and pulling out (do not twist) in a filing motion. They are used in the coronal third, not the apex of the root canal, for improved k-file access. They are quite aggressive at dentinal removal and help file away areas hindering access to the apex.



- ✓ Both files can be lubricated with EDTA.
- ✓ Once a size 35 file has been reached, use **3% bleach** (Sodium Hypochlorite/ NaOCl) [CANNAO1], a **red syringe** [CANSYNR] (to clearly label as bleach) and an **endodontic irrigation needle** [IGN023, IGN027] (specially designed side port compared to a standard needle) to flush the root canal. This solution is antimicrobial and will help to dissolve any necrotic tissue. It is **very important that you use suction** at the same time as not to damage the surrounding gum and mucosa in the mouth.



- ✓ Continue to flush with bleach in between files, ideally allowing an overall contact time of 30 minutes within the canal.
- ✓ The master file is the largest file that will adequately reach the apex of the root. It should take some working/filing to reach the apex, and the dentinal filings should be coming out clean and white at this stage. Radiograph with the master file in place.



- ✓ Choose the same sized **gutta percha** [*] (GP) as the master file, these also use ISO sizing. They should be handled using the **college forceps** [ECT001] and inserted into the root canal before being radiographed to confirm contact with the apex.



- ✓ If the GP fits the apex well, flush the canal with **EDTA** [CAN1007, CANS007] to sterilize it and open up the dentinal tubules for the filling sealant. Allow for a contact time of 1 minute and use a **yellow syringe** [CANSYNY] to avoid confusion of what is inside the syringe, just like the red bleach syringe.



- ✓ Perform a final flush with bleach. The GP can also be sterilized with bleach before replacing into the canal. Leave the GP in bleach for 60 seconds, rinse with alcohol and then leave to dry on a sterile gauze swab.

- ✓ Dry your canal with the **paper points** [*]. They should come out clean, dry and should only be handled with the college forceps.



- ✓ Connect the **lentulo spiral** [LS25404, LS60254, LS60304, LS60404, LS60354, LSSET1] to the low speed handpiece with a 4:1 contra angle attachment (the rotary handpiece can also be used). Use the lentulo to place **GuttaFlow2** [GUT2AP] sealer into the canal to the full working length. As the lentulo rotates (on a forward only setting), feed in the gutta flow. The spiral structure of the lentulo will transfer the gutta flow into the cavity. Take an x-ray to confirm the cavity is completely filled (note: gutta flow sets hard in approximately 10 minutes so fill the cavity within this time).



- ✓ When completely filled and before the GuttaFlow2 sets, insert the GP all the way in so that it comes into contact with the apex of the pulp cavity and x-ray. If there is an incomplete fill, the GP can be removed, more GuttaFlow2 placed and the GP re-positioned.



- ✓ Cut off the excess GP using the heat from the ultrasonic scaler with the water turned off, or an FG bur in a high-speed handpiece.

- ✓ Use the **barrel plugger** [EPF002] to compact the GP and GuttaFlow2 vertically so that the apex is fully filled. It is **very important that the entire cavity is tightly packed** without air voids. Insert more gutta flow and another GP if necessary, until this is achieved. When adding an additional GP, insert a **Holmström plugger** [EHPS20, EHPS35, EHPS50, EHPS65, EHPS90] alongside the GP already in the canal and press laterally to create space. The apical third of should remain empty for the composite restorative material later.



- ✓ Use the **spoon excavator** [EX1312, EX1290, EX1278, EX1256] to clean the walls of the upper third of pulp chamber so that there is no residue left. A size 2 round bur can also be used to do this but be careful not to widen your access point or remove any unnecessary dentine.



- ✓ Insert a 1mm layer of **glass ionomer** and then cure with the **curing light** [L6000], as per manufacturer's instructions, to set hard. Clean the walls of any excess.



- ✓ Fill your cavity with the phosphoric acid **Etchgel** [E3665G]. Leave for 30 seconds and the rinse for 20 seconds using the three-way syringe before lightly drying.

- ✓ Place the bonding agent [BOND4B] onto an applicator brush [ENM901, ENM902, ENM903] and paint the walls of the cavity. Now cure with the curing light for 10 seconds. A curing light emits a blue light which starts the polymerization process. DO NOT look directly at the light.



- ✓ It is now time to apply the composite which there are two options to choose from. Silkflow [FCA16G] is a more fluid like material that can be injected directly into the cavity. Create [CCA16G] is a more solid, wax like material that is applied and smoothed using a flat instrument such as a spreader [EPF003]. Both composite types should completely fill the remainder of the cavity and the excess removed. The composite is cured for 20 seconds.



- ✓ Polish off the surface of the composite with the polishing discs [EV14KT], starting with the very coarse disc and working towards the very fine disc. They are supplied with an RA drill bit that should be used on a low speed handpiece with a 4:1 contra angle attachment. This is to ensure the restoration is flush with the tooth surface and there are no rough grooves or defects which could attract plaque.



- ✓ Apply the etchgel around your polished, smooth access point, then rinse and dry as before.
- ✓ Apply the glaze [GLAZ3B] or bonding agent as a final varnish, and cure as per manufacturer's instructions. This will fill any microscopic cracks or defects and give the final result a more complete appearance.
- ✓ A final radiograph should show a completely filled root canal space and pulp cavity with no defects or voids.



[*] Please refer to the table below for the size you need and its price code.

	H-Files(Steel)
HSS31SET1	H-file (steel) 31mm 0.15 to 0.8 set - 6pcs
HSS31SET2	H-file (steel) 31mm 0.9 to 1.4 set - 6pcs
HSS31156	H-Files (steel) 31mm 0.15 (6)
HSS31206	H-Files (steel) 31mm 0.20 (6)
HSS31306	H-Files (steel) 31mm 0.30 (6)
HSS31356	H-Files (steel) 31mm 0.35 (6)
HSS31606	H-Files (steel) 31mm 0.60 (6)
HSS31806	H-Files(steel) 31mm 0.80 (6)
HSS31906	H-Files (steel) 31mm 0.90 (6)
HSS3116	H-Files(steel) 31mm 1.0 (6)
HSS31116	H-Files (steel) 31mm 1.1 (6)
HSS31126	H-Files (steel) 31mm 1.2 (6)
HSS31136	H-Files (steel) 31mm 1.3 (6)
HSS31146	H-Files (steel) 31mm 1.4 (6)
HSS60SET3	H-file (steel) 60mm 0.15 to 0.20 set - 4pcs
HSS60154	H-Files (steel) 60mm 0.15 (4)
HSS60204	H-Files (steel) 60mm 0.20 (4)
HSS80SET4	H-file (steel) 80mm 0.15 to 0.4 set - 6pcs
HSS80SET5	H-file (steel) 80mm 0.45 to 0.8 set - 6pcs
HSS80SET6	H-file (steel) 80mm 0.9 to 1.4 set - 6pcs
HSS80154	H-Files(Steel) 80mm 0.15 (4)
HSS80204	H-Files (Steel) 80mm 0.20 (4)
HSS80254	H-Files (steel) 80mm 0.25(4)
HSS80304	H-Files (steel) 80mm 0.30 (4)
HSS80354	H-Files (steel) 80mm 0.35 (4)
HSS80404	H-Files (steel) 80mm 0.40 (4)
HSS80454	H-Files (steel) 80mm 0.45 (4)
HSS80504	H-Files (steel) 80mm 0.50 (4)

HSS80554	H-Files (steel) 80 mm 0.55 (4)
HSS80604	H-Files (steel) 80mm 0.60 (4)
HSS80704	H-Files (steel) 80mm 0.70 (4)
HSS80804	H-Files (steel) 80mm 0.80 (4)
HSS80906	H-Files (steel) 80mm 0.90 (6)
HSS8016	H-Files (steel) 80mm 1.0 (6)
HSS80116	H-Files (steel) 80mm 1.1 (6)
HSS80126	H-Files (steel) 80mm 1.2 (6)
HSS80136	H-Files (steel) 80mm 1.3 (6)
HSS80146	H-Files (steel) 80mm 1.4 (6)
HSS12154	H-Files (Steel) 120mm 0.15 (4)
HSS12204	H-Files (steel) 120mm 0.20 (4)
HSS12254	H-Files (steel) 120mm 0.25(4)
HSS12304	H-Files (steel) 120mm 0.30 (4)
HSS12354	H-Files (steel) 120mm 0.35 (4)
HSS12404	H-Files (steel) 120mm 0.40(4)
HSS12454	H-Files (steel) 120mm 0.45 (4)
HSS12504	H-Files (steel) 120mm 0.50 (4)
HSS12554	H-Files (steel) 120mm 0.55 (4)
HSS12604	H-Files (steel) 120mm 0.60 (4)
HSS12804	H-Files (steel) 120mm 0.80 (4)
HSS12906	H-Files (steel) 120mm 0.90 (6)
HSS1216	H-Files (steel) 120mm 1.0 (6)
HSS12116	H-Files (steel) 120mm 1.1 (6)
HSS12126	H-Files (steel) 120mm 1.2 (6)
HSS12136	H-Files (steel) 120mm 1.3 (6)
HSS12146	H-Files (steel) 120mm 1.4 (6)
HSS12SET1	H-Files (steel) 120mm 0.15-0.30
HSS12SET2	H-Files (steel) 120mm 0.35-0.50
HSS12SET3	H-Files (steel) 120mm 0.55-0.90
HSS12SET4	H-Files (steel) 120mm 1.0-1.4

KRN60SET9	K-Reamer (NiTi) 60mm 0.9 to 1.4 set - 6pcs		
KRN60154	K-Reamer (Ni-Ti) 60mm 0.15 (4)	GP2845812	Gutta Percha 28mm 45-80(120)
KRN60204	K-Reamer (Ni-Ti) 60mm 0.20 (4)	GP615256	Gutta Percha 60mm 15-25 60mm (60)
KRN60254	K-Reamer(Ni-Ti) 60mm 0.25 (4)	GP630406	Gutta Percha 60mm 30-40 60mm (60)
KRN60304	K-Reamer (Ni-Ti) 60mm 0.30 (4)	GP645556	Gutta Percha 60mm 45-55 60mm (60)
KRN60354	K-Reamer(Ni-Ti) 60mm 0.35 (4)	GP660806	Gutta Percha 60mm 60-80 60pcs/pkg
KRN60404	K-Reamer (Ni-Ti) 60mm 0.40 (4)	GP690116	Gutta Percha 60mm 90-110 60mm (60)
KRN60454	K-Reamer (Ni-Ti) 60mm 0.45 (4)	GP612140	Gutta Percha 60mm 120-140
KRN60504	K-Reamer (Ni-Ti) 60mm 0.50 (4)	GP6801525	Gutta Percha 80mm 15-25 (60)
KRN60554	K-Reamer (Ni-Ti) 60mm 0.55 (4)	GP803040	Gutta Percha 80mm 30-40 (60)
KRN60604	K-Reamer (Ni-Ti) 60mm 0.60 (4)	GP804555	Gutta Percha 80mm 45-55(60)
KRN60704	K-Reamer (ni-Ti) 60mm 0.70 (4)	GP806080	Gutta Percha 80mm 60-80
KRN60804	K-Reamer (Ni-Ti) 60mm 0.80 (4)	GP809011	Gutta Percha 80mm 90-110 60mm (60)
KRN60906	K-Reamer (Ni-Ti) 60mm 0.90 (6)	GP801214	Gutta Percha 80mm 120-140
KRN6016	K-Reamer (Ni-Ti) 60mm 1.0 (6)	GP121525	Gutta Percha 120mm 15-25 (60)
KRN60116	K-Reamer (Ni-Ti) 60mm 1.1 (6)	GP123040	Gutta Percha 120mm 30-40(60)
KRN60126	K-Reamer (Ni-Ti) 60mm 1.2 (6)	GP124555	Gutta Percha 120mm 45-55 (60)
KRN60136	K-Reamer (Ni-Ti) 60mm 1.3 (6)	GP126080	Gutta Percha 120mm 60-80
KRN60146	K-Reamer (Ni-Ti) 60mm 1.4 (6)		

	Paper Points
PP281540	Paper Point 28mm 15-40 (200)
PP284580	Paper Point 28mm 45-80 (200)
PP601525	Paper point 60mm 15-25 (60)
PP603040	Paper point 60mm 30-40 (60)
PP604555	Paper point 60mm 45-55 (60)
PP606080	Paper point 60mm 60-80 (60)
PP609011	Paper Point 60mm 90-110 (60)
PP601214	Paper Point 60mm 120-140 (60)
PP801525	Paper point 80mm 15-25 (60)
PP803040	Paper point 80mm 30-40 (60)
PP804555	Paper point 80mm 45-55 (60)
PP806080	Paper point 80mm 60-80 (60)
PP809011	Paper Point 80mm 90-110 (60)
PP801214	Paper Point 80mm 120-140 (60)
PP121525	Paper point 120mm 15-25 (60)
PP123040	Paper point 120mm 30-40 (60)
PP124555	Paper point 120mm 45-55 (60)
PP126080	Paper point 120mm 60-80 (60)
PP129011	Paper Point 120mm 90-110 (30)
PP121214	Paper Point 120mm 120-140 (30)