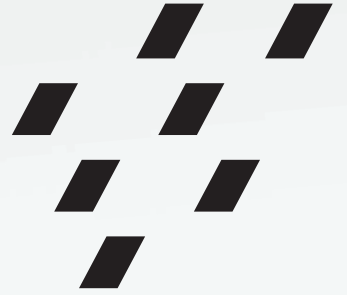


MI Varnish™

A superior fluoride varnish with
RECALDENT™ (CPP-ACP)



./G./

MI Varnish™, a superior fluoride varnish with RECALDENT™ (CPP-ACP)



Tooth Mousse technology inside a fluoride varnish

MI Varnish™ is a 5% NaF varnish enhanced with 2% RECALDENT™ (CPP-ACP) to give a superior fluoride varnish that releases more bio-available fluoride, calcium and phosphate.*

Perfect brush, optimum flow

Packaged with the “perfect application brush”, MI Varnish™ gives clinicians the smoothest and easiest fluoride varnish application experience.

NEW 0.4 ml unit dose

MI Varnish™ is conveniently delivered in a purpose-designed unit dose and is available in strawberry and mint flavours.

Less is more

Apply a thin uniform layer for maximum benefit and to minimise clumping.



Correct: Uniform thin layer



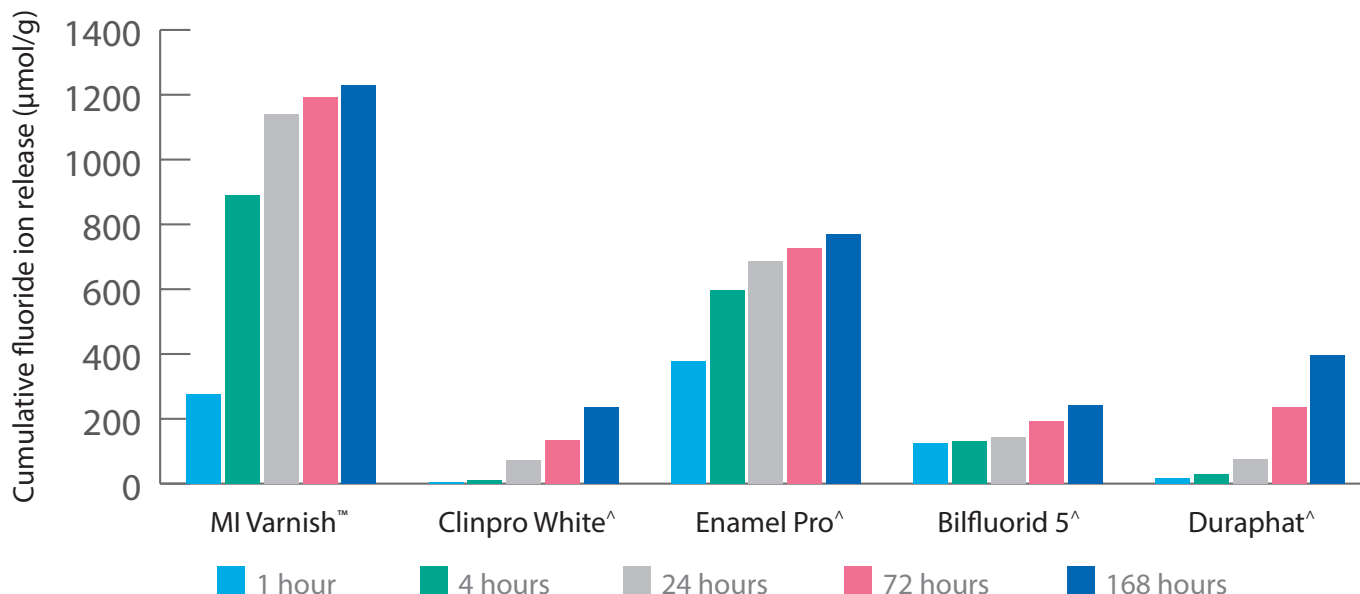
Incorrect: Too much, too thick

Prof. Ian Meyers

Dr. Esra Can

The best way to deliver fluoride is in combination with RECALDENT™ (CPP-ACP)

MI Varnish™ has the highest fluoride release*



Synergy

When fluoride ions come into contact with RECALDENT™ (CPP-ACP), the peptide preferentially combines with, and stabilises fluoride, to create the ideal source of ions for building fluorapatite.

Ideal size

CPP-ACPF is less than 2 nanometres in size and is able to penetrate into biofilms, enamel and dentine. CPP-ACPF has a neutral charge, so it is not hindered in its diffusion characteristics.

Superior ion availability*

MI Varnish™ provides a significant source of fluoride, calcium and phosphate ions.

* Cochrane NJ, Shen P, Yuan Y, Reynolds EC. Ion release from calcium and fluoride containing dental varnishes. Aust Dent J. 2014 Mar;59(1):100-105.

^ Not trademarks of GC Corporation

Managing dentine hypersensitivity with MI Varnish™



Prof. Ian Meyers

Case 1: 49 year-old female patient presented with concerns regarding gum recession and some sensitivity in her lower molar teeth when brushing. MI Varnish™ application was completed and sensitivity was markedly reduced.



Prof. Matteo Basso

Case 2: 63 year-old female patient reporting sensitivity with clinical signs of dental erosion caused by high consumption of fruits. MI Varnish™ application is repeated every 4 months for reducing sensitivity and protecting exposed root surfaces.

MI Varnish™ is easy to apply and can be applied at every recall appointment for protecting exposed root surfaces and avoiding dentine hypersensitivity.



Case 3: 73 year-old female polypharmacy patient presented with a complaint of a very dry mouth and hypersensitivity in many of her teeth, particularly around the gum line of the teeth. The exposed root surfaces were coated with MI Varnish™ to provide some immediate relief from the sensitivity and assist with the ongoing desensitisation of these exposed dentine surfaces. The patient was advised to use a combination of GC Dry Mouth Gel followed by GC Tooth Mousse Plus® twice daily after brushing, with particular attention to this protocol when going to bed at night.

Managing erosion, poor oral hygiene and exposed roots



1. Enamel erosion.



2. GC Tri Plaque ID Gel applied.



3. Areas that are light blue indicate a high risk biofilm.



4. CAVITY CONDITIONER was used (10 sec.).

A 78-year-old lady presented for treatment with evidence of erosion combined with mechanical abrasions from normal masticatory function. Gold overlays which were placed 35 years ago (4 in each quadrant on premolars and molars) continue to function effectively.

GC Tri Plaque ID Gel was used to identify areas where the plaque has not been cleaned off. The areas that appear light blue are of most concern, as this is where an acid-producing cariogenic biofilm has developed (image 3).



5. EQUIA® Forte Fil (A3) was placed.



6. Finished restoration.



7. MI Varnish™ was applied to reinforce thin enamel layers.



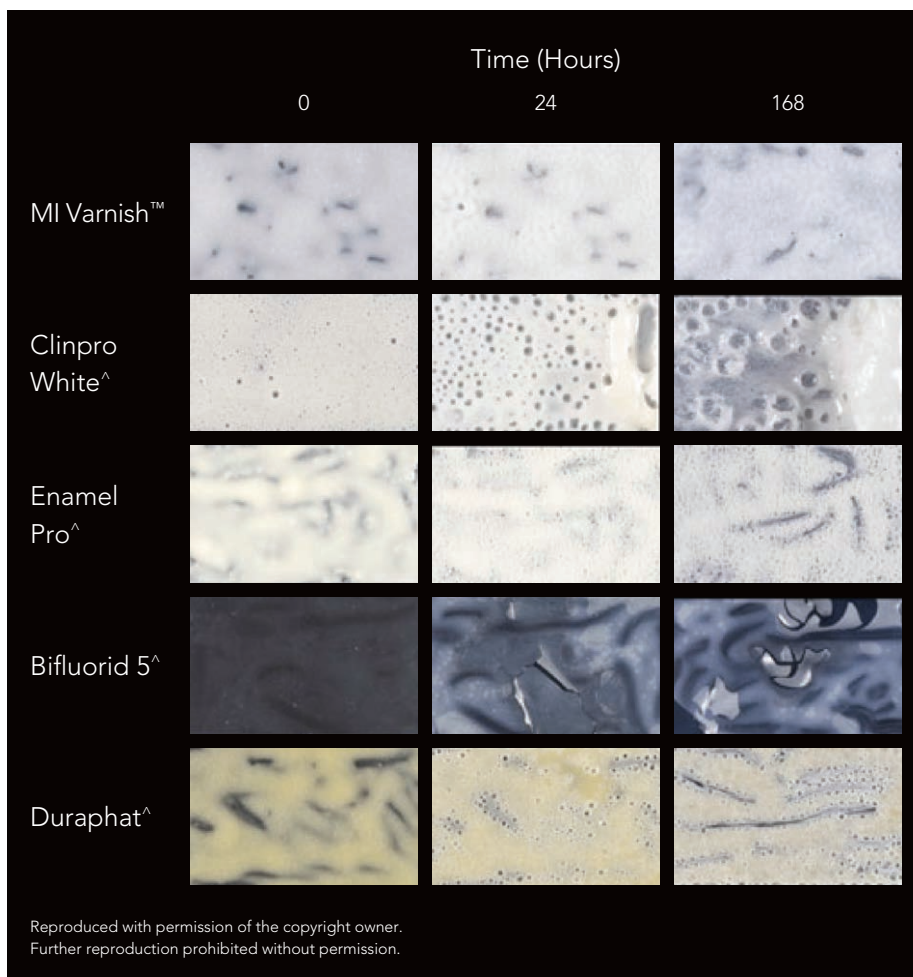
8. MI Varnish™ was applied to protect the margins of the overlays.

Prof. Matteo Basso

Cervical lesions were restored with EQUIA® Forte as the shape of those lesions facilitated plaque deposit. MI Varnish™ was applied to reinforce thin enamel layers and to protect the margins of the overlays. MI Varnish™

will be reapplied at every recall appointment to help elevate calcium, phosphate and fluoride levels at and around high risk sites.

MI Varnish™ is a more stable and durable* fluoride varnish



Superior durability

MI Varnish™ features a hydrogenated rosin matrix that ensures high fluoride, calcium and phosphate ions availability, combined with translucency and exceptional durability. This enhanced formulation means MI Varnish™ can provide exceptional protection from dentine hypersensitivity.

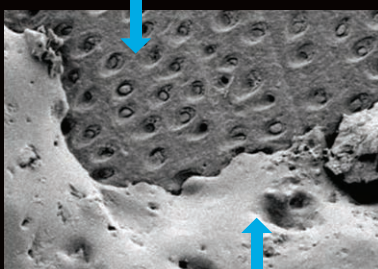
* Reproduced with permission from Cochrane NJ, Shen P, Yuan Y, Reynolds EC. Ion release from calcium and fluoride containing dental varnishes. Aust Dent J. 2014 Mar;59(1):100-105

^ Not trademarks of GC Corporation

MI Varnish™ provides superior protection for hypersensitive dentine

MI Varnish™ contains NaF and RECALDENT™ (CPP-ACP) dispersed in a rosin and ethanol solution. When MI Varnish™ is applied, it adheres to the tooth and seals exposed dentine tubules. Contact with saliva sets the varnish and starts the slow dissolution process, driving the release of fluoride and RECALDENT™ (CPP-ACP). Fluoride ions that are released bind with calcium ions in pellicle and plaque, to form globules of calcium fluoride. These globules deposit on the tooth surface, providing additional blockage of exposed dentine tubules, enhanced acid resistance and promote calcium and phosphate-enriched saliva.

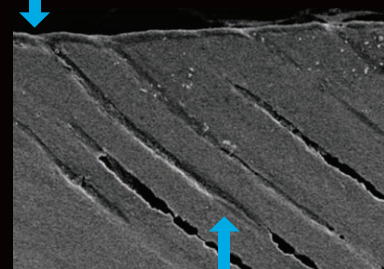
MI Varnish™ sealing dentinal tubules



SU70 5.0kV 20.2mm x1.00k SE(M)

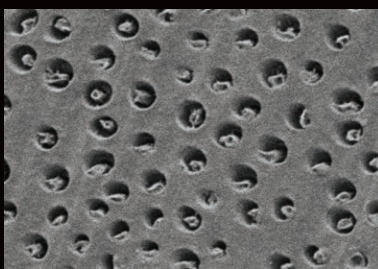
MI Varnish™ covering dentine

MI Varnish™ covering dentine



SU70 5.0kV 17.1mm x2.00k SE(M)

MI Varnish™ penetrating dentinal tubules



SU70 5.0kV 19.4mm x2.00k SE(L)

Before



SU70 5.0kV 20.2mm x2.00k SE(M)

After

MI Varnish™ Technique Guide



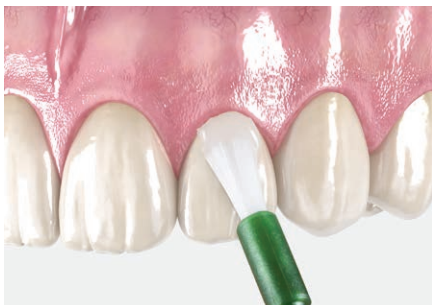
1. Tooth surfaces should be cleaned and completely dried before application of MI Varnish™. A prophylaxis is not required.



2. Peel off the foil lid of the unit dose container of MI Varnish™.



3. Stir MI Varnish™ with the disposable brush before application.



4. Apply a thin, uniform layer to minimise clumping. Only apply one layer.



5. MI Varnish™ sets when in contact with water or saliva; if desired, once MI Varnish™ is applied, wet tooth surfaces using triplex syringe to accelerate MI Varnish™ setting.

After application

MI Varnish™ should remain undisturbed on the teeth for four hours.

Instruct patients to avoid hard, hot or sticky foods, tooth brushing and flossing, products containing alcohol (oral rinses, beverages, etc.) during this time period.

Q&A

1. What is the shelf life of MI Varnish™?

MI Varnish™ has a 3 year shelf life from manufacturing date.

2. How much material is there in a unit dose?

MI Varnish™ one unit dose package contains 0.4ml (enough for a full adult dentition).

3. Are fluoride varnishes suitable for all patients?

According to the American Dental Association Council on Scientific Affairs, fluoride varnish applications every three to six months are recommended for children younger than 6 years, adolescents and adults, who are at elevated risk of developing caries.**

4. Can MI Varnish™ be used on patients with crowns and veneers?

Yes, MI Varnish™ can be applied to the margin area of crowns or veneers.

5. Is prophylaxis (cleaning) required before the application of MI Varnish™?

No, MI Varnish™ does not require a prophylaxis treatment prior to application.

6. Why is a thin application better?

The best outcome when applying MI Varnish™ is prolonged retention on tooth surfaces. A thick application means a higher chance of clumping – if clumping occurs, this tends to be less comfortable and patients might feel the need to pull on pieces of the set material. Applying one thin layer of MI Varnish™ provides the best outcome for protecting tooth surfaces and for patient's comfort.

7. Are there any contra-indications?

- MI Varnish™ contains RECALDENT™ (CPP-ACP) which is derived from milk casein.
- Do not use MI Varnish™ on patients with proven or suspected milk protein allergies.
- Do not use MI Varnish™ on patients with ulcerative gingivitis and stomatitis.
- The ingredient rosin used in MI Varnish™ is a processed pine tree extract and not an extract of pine nut. A patient with recognised allergies should consult his/her medical professional for guidance.

If any allergic reaction occurs, this may indicate sensitivity to a component of the product. In this event, discontinue use of the product and contact patient's physician.

** Weyant RJ et al. Topical fluoride for caries prevention: executive summary of the updated clinical recommendations and supporting systematic review. J Am Dent Assoc. 2013 Nov;144(11):1279-91.

MI Varnish™

Intro pack:

10 unit doses
(5 Strawberry + 5 Mint)
20 brushes

Refill pack:

35 unit doses
(either Strawberry or Mint)
50 brushes

Clinic pack:

100 unit doses
(either Strawberry or Mint)
100 brushes

Each unit dose contains 0.40 ml



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MI Varnish™ contains RECALDENT™ (CPP-ACP), a unique ingredient developed at The School of Dental Science, The University of Melbourne, Victoria, Australia. RECALDENT and RECALDENT Device are trademarks used under licence. MI Varnish™ should not be used on patients with proven or suspected milk protein allergies. If any allergic reaction occurs, this may indicate sensitivity to a component of the product. In this event, discontinue use of the product and contact patient's physician.

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