

RECALDENT™

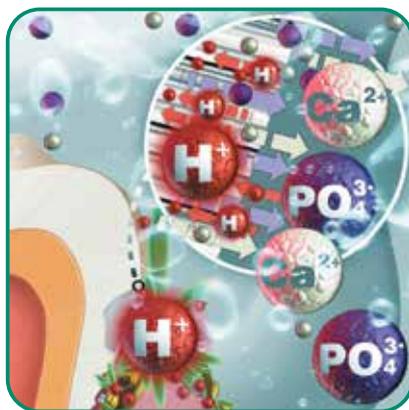
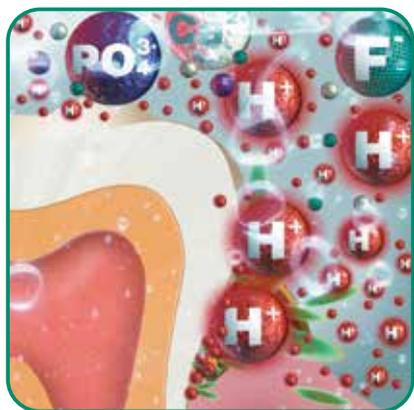
Bio-available calcium and phosphate

Restoring the balance



Helps to restore the mineral balance

When demineralisation occurs...



Demineralisation occurs when acid - produced by bacteria or present in food and drinks - enters the enamel rods and dissolves the apatite crystals within the tooth tissue, which are built from calcium and phosphate.

Over time, this leads to destruction of the enamel subsurface and the start of decay or erosion, often seen as white spots.

What is RECALDENT™*?

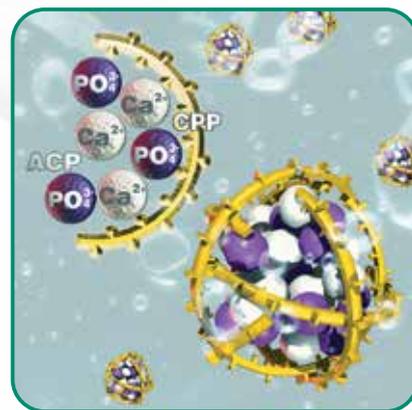
RECALDENT is the trademark name of a milk-derived peptide, known as **CPP-ACP** (casein phosphopeptide-amorphous calcium phosphate).



How does it work?

Casein Phosphopeptide (or **CPP**) carries calcium and phosphate ions 'stuck' to it, in the form of **Amorphous Calcium Phosphate** (or **ACP**).

Calcium phosphate is normally insoluble, ie. forms a crystalline structure at neutral pH. The CPP keeps the calcium and phosphate in an amorphous, soluble state, which is essential to its function of delivering bio-available minerals.



As it is less than 2 nm in size and has a neutral charge, this complex of **CPP-ACP** (RECALDENT™) can easily diffuse and act as an ideal mineral delivery system.

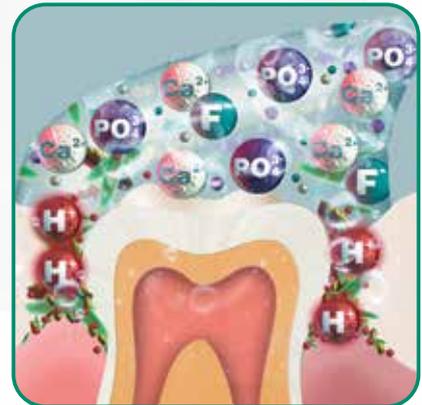


* RECALDENT is the trademark name of CPP-ACP (Casein Phosphopeptide - Amorphous Calcium Phosphate). Casein Phosphopeptide is derived from milk casein. Do not use RECALDENT products on persons with a proven or suspected milk protein allergy. In case of allergic reaction, stop use, rinse mouth with water and seek medical advice.

When RECALDENT is brought into the oral cavity, the 'sticky' CPP part of the CPP-ACP complex binds readily to the enamel, pellicle, plaque and soft tissues, delivering the calcium and phosphate exactly where needed. Its incorporation into the salivary pellicle also seems to significantly reduce the adherence of certain plaque bacteria. The free calcium and phosphate ions then move out of the CPP, and supply the necessary building blocks to the enamel to reform apatite crystals.



RECALDENT also works in **synergy with fluoride**; 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.



Protect and replenish with a brush stroke

MI Varnish

Enhanced fluoride varnish treatment with CPP-ACP

- ✓ Coating with depot effect that adheres quickly to the teeth, without clumping
- ✓ Synergistic activity of CPP-ACP and fluoride
- ✓ Supplies the necessary minerals during fluoride treatment
- ✓ Penetrates and blocks dentinal tubules to give relief from hypersensitive teeth
- ✓ The high initial fluoride release minimises sensitivity and strengthens enamel
- ✓ Comfortable and quick procedure, requiring no preparation or prophylaxis
- ✓ Pleasant taste (mint or strawberry) and creamy texture
- ✓ Neutral shade and translucency, not visible after application



Home essentials for sensitive teeth

Tooth Mousse

Topical creme with CPP-ACP, without fluoride



- ✓ Suitable for all ages
- ✓ For providing extra protection between dental visits
- ✓ Helps to neutralize acid challenges (from acidogenic bacteria in plaque as well as other sources)
- ✓ Pleasant taste (5 flavours)



MI Paste Plus

Topical creme with CPP-ACP and fluoride

- ✓ Synergistic activity of CPP-ACP (10%) and fluoride (900 ppm)
- ✓ For providing extra protection between dental visits
- ✓ The ideal source of ions for building fluorapatite
- ✓ Helps to neutralize acid challenges (from acidogenic bacteria in plaque as well as other sources)
- ✓ Pleasant taste (5 flavours)
- ✓ Recommended above 6 years old (12 years old for overnight use)



Who can benefit from CPP-ACP?



“Fluoride ions promote the formation of fluorapatite or fluorhydroxyapatite in the presence of calcium and phosphate ions and this is now believed to be the major mechanism of fluoride’s action. Fluoride is the cornerstone of the non-invasive management of non-cavitated caries lesions but the ability of the ion to promote net remineralization is limited by the availability of calcium and phosphate ions.”

Prof. Eric Reynolds, Melbourne Dental School, Australia

General prevention for all patients

Regular use of RECALDENT products helps to maintain a healthy oral environment by keeping a positive mineral balance with elevated levels of calcium and phosphate in the saliva. This contributes to the prevention of demineralisation and buffers acidity.

Children suffering from Molar Incisor Hypomineralisation (MIH)

Intensive use of RECALDENT products will help the enamel mature. Additional protection can be achieved by sealing the enamel with a glass ionomer or glass hybrid. Check out our webpage on MIH for more information.



Patients with high caries risk

Assessment to determine the potential source(s) of caries risk should be undertaken and reduced or removed if possible. RECALDENT products will help to counteract the residual caries risk.

- ✓ Xerostomia
- ✓ Orthodontic treatment
- ✓ White spot lesions

Patients with sensitive teeth

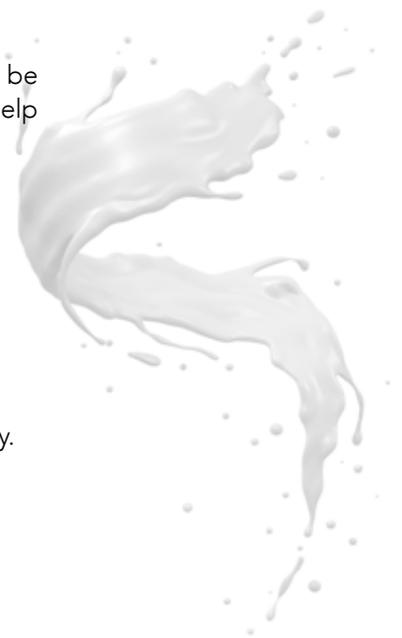
Regular use of RECALDENT products helps the prevention of tooth sensitivity.

- ✓ Tooth whitening
- ✓ Developmental defects (e.g. MIH)
- ✓ Exposed root surfaces
- ✓ Excessive tooth wear

Patients suffering from erosion

The causative factors of the erosion should be identified and removed, if possible, and reduction of exposure should be stimulated. RECALDENT products buffer the acidity and supply the necessary minerals to keep a healthy balance in the saliva.

- ✓ Intake of acid energy drinks (e.g. sports drinks)
- ✓ Intrinsic acids (e.g. gastric reflux)



Packaging

Article number	Description
10001743	GC Tooth Mousse, 10-Pack, Assorted
10003205	GC Tooth Mousse, Promotional 5-Pack
10001746	GC Tooth Mousse, 10-Pack, Melon
10001747	GC Tooth Mousse, 10-Pack, Mint
10001745	GC Tooth Mousse, 10-Pack, Strawberry
10001748	GC Tooth Mousse, 10-Pack, Tutti-Frutti
10001744	GC Tooth Mousse, 10-Pack, Vanilla
10001749	GC MI Paste Plus, 10-Pack, Assorted
10003270	GC MI Paste Plus, Promotional 5-Pack
10001752	GC MI Paste Plus, 10-Pack, Melon
10001750	GC MI Paste Plus, 10-Pack, Mint
10001751	GC MI Paste Plus, 10-Pack, Strawberry
10001754	GC MI Paste Plus, 10-Pack, Tutti Frutti
10001753	GC MI Paste Plus, 10-Pack, Vanilla
10003393	MI Varnish, Clinic Pack, Mint, 100 unit doses
10003392	MI Varnish, Clinic Pack, Strawberry, 100 unit doses
10003389	MI Varnish, Intro Pack, Strawberry & Mint, 10 unit doses
10003391	MI Varnish, Refill Pack, Mint, 35 unit doses
10003390	MI Varnish, Refill Pack, Strawberry, 35 unit doses



MI Varnish



Tooth Mousse



MI Paste Plus

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MI Paste Plus, MI Varnish and Tooth Mousse are trademarks of GC.

CAUTION: Tooth Mousse, MI Paste Plus and MI Varnish contain RECALDENT™ (CPP-ACP) and hydroxybenzoates. RECALDENT (CPP-ACP) is derived from milk casein. Do not use on patients with a proven or suspected milk protein and/or hydroxybenzoates allergy. Carefully read the instructions before use.

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