

BioMin F toothpaste increases acid resistance of teeth by 1,000%

BioMin F is the only toothpaste that delivers low level fluoride with calcium and phosphate ions continuously for 12 hours after brushing. These combine to form Fluorapatite on the tooth surface ensuring the teeth are ten times better protected to survive acid attack and therefore less prone to decay.

Soluble fluoride, used in all other toothpastes, is rapidly washed away by saliva and has little clinical benefit just over an hour after brushing.

BioMin F solves the problem of traditional soluble fluoride toothpastes

BioMin F bioglass is the result of 15 years' research and development at Queen Mary's University, London. Uniquely, this slowly dissolving bioactive glass adheres to tooth structure releasing optimal proportions of calcium, phosphate and fluoride ions over a 12-hour period after brushing. In contrast, traditional fluoride toothpastes contain soluble fluorides which are rapidly washed away by saliva and ingested.

Bioglasses in toothpastes

Developed over 20 years ago, NovaMin represents the first generation bioglass used in toothpastes though it was not originally developed for this purpose. It had initially been formulated for bone grafting. Only later was it used in toothpastes because of its adherent and slow dissolving capabilities to release calcium and phosphate. It does not contain fluoride nor optimum proportions of calcium and phosphate minerals.

First generation NovaMin, the active ingredient in some other toothpastes, is a bioglass without fluoride. Such toothpastes incorporate additional soluble fluoride which rapidly washes away like all other saliva soluble fluoride toothpastes.

In contrast, BioMin F represents a more advanced second generation bioglass, which has been specifically developed for dental applications and is uniquely formulated to slowly release fluoride, calcium and phosphate ions over a 12-hour period after

brushing. It facilitates rapid and continual production of stable, acid-resistant Fluorapatite within dentinal tubules and on tooth surfaces.

BioMin F with controlled release fluoride facilitates constant Fluorapatite development on the tooth surface, which increases the acid-resistance of natural tooth enamel by 1000%. All other toothpastes contain soluble fluoride salts that are rapidly washed away providing far less protection.

The fluoride 1350, 1450 and 1500 misconception

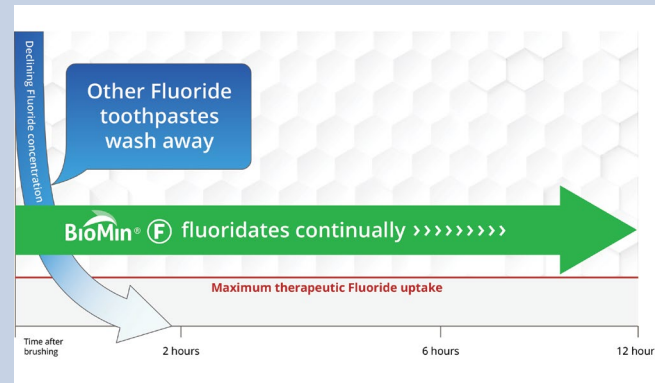
Some wrongly believe that the optimal toothpaste should contain 1500 ppm of fluoride. This figure is not based upon optimal clinical benefit, but is simply the legal maximum a toothpaste can contain without having to comply with more onerous product registration requirements. No manufacturer can add more fluoride to a toothpaste without a Pharmaceutical Product Licence. Manufacturers add as much soluble fluoride as they are legally allowed to in order to maximise preventive properties before the fluoride is washed away. BioMin F does not have this problem because of its controlled continuous release of fluoride with calcium and phosphate. Brush twice a day with BioMin F and fluoride is ever present doing a fine job!

BioMin F – Safer than high fluoride toothpastes

The higher the fluoride content the greater the risk of fluorosis by accidental imbibition, especially amongst children and people more prone to swallowing their toothpaste.

With its dramatically lower 530 ppm fluoride content this risk is minimised, whilst still delivering 12-hour fluoride protection!

Brush twice daily for 24-hour fluoride protection and reduced sensitivity



BioMin F has been formulated to contain fluoride, calcium and phosphate ions in the optimum proportion for rapid remineralisation. What's more, as the oral pH decreases after consumption of sugary and acidic food and drink, the bioactive glass dissolves quicker, resulting in even faster release of these minerals, which in turn neutralises acid helping to stabilise the pH further and helping to protect the teeth from decay.

BioMin F bioglass particles are engineered to be 60% smaller than those found in NovaMin containing products, resulting in less abrasivity and deeper penetration of the dentinal tubules with acid resistant Fluorapatite. So, the formation of Fluorapatite is not just on the surface of the teeth, but also deep within the dentinal tubules. The tubular occlusion achieved with BioMin F is much more resistant to dissolution, providing more effective and longer-lasting relief from dentine hypersensitivity. No other toothpaste can deliver such effective remineralisation of teeth and long-term protection against dentine hypersensitivity, no matter how much they spend on expensive machinery and advertising.

Published research shows that BioMin F outperforms other sensitivity toothpastes in its ability to block dentinal tubules, resulting in superior and long-lasting sensitivity relief (Studies available upon request).

For further information visit www.trycare.co.uk/biomin, contact your local Trycare representative or call 01274 885544.