



MOUTHWASH
300 ml

It contains
250 ppm of F⁻
Bioactive complex
1,50%
HAF 3,00%

- Remineralises firmly enamel and dentine
- Protects from acid erosion and abrasion
- Prevents dental sensitivity
- Prevents tooth decay* and inhibits the formation of dental plaque

Suggested use in combination with toothpaste BIOSMALTO Caries, Abrasion & Erosion & Erosione



TOOTHPASTE
75 ml

It contains
1450 ppm of F⁻
Bioactive complex
15,00%
HAF 8,00%

- Remineralises firmly enamel and dentine
- Protects from acid erosion and abrasion
- Prevents dental sensitivity
- Prevents tooth decay* and inhibits the formation of dental plaque

Suggested use in combination with mouthwash BIOSMALTO Caries, Abrasion & Erosion



TOOTHPASTE JUNIOR
7-12 YEARS
75 ml
All fruits Flavour

It contains
1450 ppm of F⁻
Bioactive complex
15,00%
HAF 8,00%

- Protects deciduous and permanent teeth from caries* preserving their integrity
- Protects and firmly remineralises the hard tissues of recent teeth
- Protects from acid erosion and abrasion
- Prevents dental sensitivity

Suggested use in combination with mouthwash BIOSMALTO Caries, Abrasion & Erosion



TOOTHPASTE BABY KID
6 MONTHS – 6 YEARS
50 ml
Available in two different flavours: Strawberry and delicate mint

It contains
1000 ppm of F⁻
Bioactive complex
15,00%
HAF 5,00%

- Prevents tooth decay* in deciduous teeth
- Favours the healthy development of permanent teeth
- Protects and firmly remineralises enamel and dentine
- Protects from acid erosion and abrasion



TOOTHPASTE BABY KID
WITHOUT FLUORIDE
6 MONTHS - 6 YEARS
50 ml
Strawberry Flavour
Without fluoride

- Ideal for children taking fluoride supplements
- Prevents dental caries* in baby teeth
- Favours the healthy development of permanent teeth
- Protects and firmly remineralises enamel and dentine



MOUTHWASH
300 ml

It contains
250 ppm of F⁻

- Reduces pain rapidly
- Occludes exposed dentinal tubules
- Provides lasting protection from tooth sensitivity
- Remineralises firmly enamel and dentine

Suggested use in combination with toothpaste BIOSMALTO Sensitive Teeth



TOOTHPASTE
75 ml

It contains
1450 ppm di F⁻

- Reduces pain rapidly
- Occludes exposed dentinal tubules
- Provides lasting protection from tooth sensitivity
- Remineralises firmly enamel and dentine

Suggested use in combination with mouthwash BIOSMALTO Sensitive Teeth

TOOTHBRUSHES

We recommend you use toothbrushes specifically designed to optimize the action of toothpastes.

Protection: effective in plaque removal without causing abrasion to enamel and dentine.

Protection Junior: created specifically for young people from 7 to 12 years old.

Sensitive: conical bristles that break down bacterial plaque without causing gum damage.



WARNINGS: Do not swallow. For external use only. Keep out of the reach of children. Do not use in case of hypersensitivity or allergy to one or more components. Keep away from light and heat sources. Dispose of the container properly after use. **MEDICAL DEVICE**  Carefully read warnings and instructions for use.

*Combined with mechanical oral hygiene practices and a diet low in adhering carbohydrates.

THE PROBLEM

Enamel and dentine are daily attacked by agents such as bacterial plaque, food, acid substances, chewing and inappropriate oral hygiene practices. The individual or combined action of these aggressors can lead, if sufficiently prolonged, to a loss of mineral substances from the tooth surface and, as a consequence, to caries and dental sensitivity.

Teeth are composed of two highly mineralized tissues: enamel and dentine. The main component of both is a salt arranged in hexagonal crystals, which is named **HYDROXYAPATITE**.

Depending on the causes for the loss of dental structures, we can distinguish among:

- Dental caries
- Abrasions
- Dental erosions

Dental caries is a transmissible infectious disease due to the production of acid substances by bacteria during the process of sugar metabolism. If not treated, tooth structures gradually lose their mineral constituents and weaken. This process is known as “demineralization”. The early carious lesions are still reversible, but, if dental caries is not properly managed, the lesions may turn into actual cavities that require the intervention of a dentist.

Abrasions are losses of tooth substances due to mechanical

exogenous insults. Abrasion is a condition that weakens the tooth structure. It is also a major aesthetic issue.

The main factors involved in abrasion phenomena include:

- 1) physiological chewing;
- 2) parafunctional habits, such as teeth clenching or bruxism;
- 3) traumatic brushing with hard bristles’ toothbrushes;
- 4) use of abrasive toothpastes.

Dental erosion are irreversible loss of tooth structure due to chemical dissolution by acids not of bacterial origin. The source of these acids can be of food origin (lemon, fruit juices, soft drinks...) or intrinsic (gastroesophageal reflux disease). If the erosion results in an excessive thinning of dental tissues, these structures can easily break, even if the chewing load is not very high.

Dentine sensitivity is a feeling of acute pain of short duration, with arises in response to thermal, tactile, chemical or physical stimuli. This problem affects most population, at least occasionally, and tends to get worse over the years.

The cause lies in the exposure of the dentinal tubules. Normally, the dentinal tubules are not exposed to the oral cavity, but may become exposed as a result of gum recessions, cervical erosions and abrasions or periodontal problems.

Unfortunately, whatever the cause (dental caries, erosions, abrasions, traumas, etc.), ena-

mel and dentine cannot repair themselves once damaged.

Therefore, their remineralisation is possible only thanks to external interventions allowing the formation and regrowth of the hydroxyapatite crystals mimicking the natural structure of enamel and dentine.

THE SOLUTION

Curasept BIOSMALTO Mouthwash and Toothpaste Caries Abrasion & Erosion and Sensitive Teeth are based on an innovative formula developed after 7 years of an exclusively Italian research, in collaboration with the Laboratories of the Institute of Science and Technology for Ceramics of the National Research Council-ISTEC CNR, and has been clinically tested.

Curasept BIOSMALTO is composed of two functional substances in microcrystalline form: a partially fluoride substituted hydroxyapatite (HAF) and a partially Magnesium, Strontium, Carbonate substituted Hydroxyapatite conjugated with Chitosan (BIOACTIVE COMPLEX).

Carbonate ions favour the solubility of hydroxyapatite in the oral environment making its active components (calcium and phosphate) available in ions, ready to form new hydroxyapatite crystals.

Beside the above mentioned calcium and phosphate ions, these components include:

- **Strontium ions** released by

BIOACTIVE-COMPLEX can promote the remineralisation of dentine and, on the outer layer of enamel, can give greater stability and resistance to acid dissolution, and enhance greater protection against the onset of dental caries. In addition, it has been observed that the synergistic action of Strontium and Fluoride in the antibacterial activity is greater than that of Fluoride alone.

• Potassium ions.

Added to “Sensitive Teeth” formulation, they reduce pain caused by dentine hyper-sensitivity due to thermal or tactile factors.

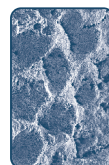
• **Magnesium ions** play a key role in the remineralization processes of hard tissues such as bone and tooth and can facilitate the rapid deposition of a new mineral phase on tooth enamel.

• **Fluoride ions** as substituting ions in the hydroxyapatite crystal contained in BIOSMALTO, they can be made bioavailable with slower and gradual kinetics compared to what happens in the presence of simple soluble fluoride salts. This prevents the adverse effects related to excess fluoride.

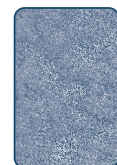
The beneficial effects of the active ingredients of BIOSMALTO are prolonged thanks to the presence of chitosan.

In vitro studies demonstrate the efficacy of Biosmalto in the treatment of demineralized tissues and of the exposed dentinal tubules that cause dentin hypersensitivity.

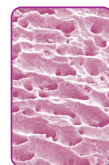
SEM (SCANNING ELECTRON MICROSCOPE) MAGNIFICATION



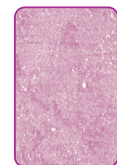
Demineralised tooth.



Tooth treated with BIOSMALTO.



Open dentinal tubules cause sensitivity.



After a treatment with BIOSMALTO. Closed dentinal tubules. Sensitivity has resolved.



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RACCOGLI DIFFERENZIATA
VERIFICA LE DISPOSIZIONI DEL TUO COMUNE

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