How nano-hydroxyapatite (nHAP) regenerates and preserves the integrity of teeth

Remineralising
nHAP creates a protective layer on the enamel and on the exposed dentinal tubules, repairing and remineralising the structure of the tooth.

Prevention of tooth decay and periodontitis
Thanks to the nHAP protective layer, bacterial adhesion is reduced, thus protecting the enamel from acids and bacteria.

Source of calcium
nHAP releases calcium responding to the acid attack of bacteria, protecting the teeth from demineralisation.

Prevention of tooth sensitivity
The nHAP closes the exposed dentinal tubules and microfractures of the enamel, preventing the spread of stimuli causing sensitivity.

Whitening
The nHAP, while binding to the tooth surface, creates a biomimetic whitening effect, contributing to increase tooth brightness.

N. Roveri et al. Adv. Mat. Res, Vols. 47-50, (2006)
G. Orsini et al. Journal of Periodontology Vol. 37 (2010)

HOME+
Before and after cases

Treatments
1 x 5ml + 15-10 days of treatment

REF 015031	**BlancOne® HOME+ FAST Single Kit** 1 x 5ml +	REF 015036	**BlancOne® HOME+ FAST Multi Kit** 6 x 5ml +
REF 015041	**BlancOne® HOME+ NIGHT Single Kit** 1 x 5ml +	REF 015046	**BlancOne® HOME+ NIGHT Multi Kit** 6 x 5ml +
REF 015051	**BlancOne® HOME+ EVER Single Kit** 1 x 5ml +	REF 015056	**BlancOne® HOME+ EVER Multi Kit** 6 x 5ml +

Kit paziente

REF 015066

BlancOne® HOME+ Deluxe Patient Kit
6 Sets with coordinated patterns:
Bag, Smile Box, tray holder, BlancOne® LIPS, BlancOne® DUETTO CARE, patients instruction manual.

REF 015061

BlancOne® HOME+ Easy Patient Kit
6 kits:
Pouch bag, tray holder, patients instructions.

BLANCONE
www.blancone.eu/pro
helpdesk@blancone.eu

blancone blancone_ids blancone
blancone team pro (professional group)

IDS Spa - Via San Cristoforo, 28/10 - 17100 Savona - Italia
Tel. 019 862080 - Fax 019 2304865 - email: info@idsdental.it
www.idsdental.it

BlancOne is an IDS Spa registered trademark

Rev 0 - 01/5/23

HOME+

Tooth rejuvenation

Stronger and brighter teeth

BLANCONE
Your teeth whitening

Tooth Rejuvenation

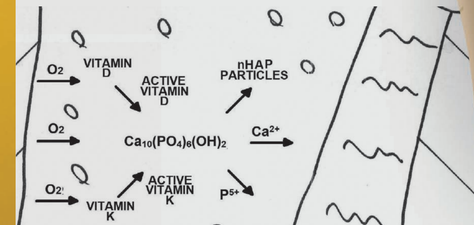
BlancOne® HOME+ mechanism of action

Tooth whitening systems put hydrogen or carbamide peroxides, in different concentrations, in prolonged contact with the surface of the enamel and the exposed dentin.
The aim is to oxidise the organic residues penetrating within the tooth superficial structure, breaking them up and making them capable of reflecting the light rather than absorbing it, thus giving the teeth a whiter and brighter appearance.

With regards to enamel and exposed dentin, there is a constant demineralising and remineralising process, with a loss and re-intake of Calcium and Phosphorus ions belonging to the hydroxyapatite structure of the hard tissues.
It is known that, during tooth whitening treatments, a significant demineralisation is produced and, although reversible, this makes the tooth structure more exposed to the stimuli which can create tooth hypersensitivity, which, according to some studies, can reach a percentage of 70%.

BlancOne® HOME+ formulation uses a synergic mechanism where the **oxidising action of peroxide molecules**, simultaneously activates the **catalysing action of vitamins D and K**, in order to **produce Ca and P ions and an amplified flux of hydroxyapatite nanoparticles**.

The result is the creation of an **extraordinary regenerating environment** which, through a process of forced deposition of ions and structural nanoparticles within the micro-fractures of the enamel and the exposed dentinal tubules, **combines the whitening action to a protective, restructuring and desensitising action on the enamel and on the exposed dentin** in the teeth treated.



HOME+
Science

Benett et al: BDJ Open 5, Art. No.18 (2019)
Gorbunoff M.J. et al: Anal. Biochem (1984)
Chen L. et al: Materials (Basel), 14(17):4665 (2021)
Rostein I. et al: Journal of Endodontics, Vol. 22 (1996)

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The top for your patients

2000 — *Piergallini and Loupis, dentists and researchers, start their research within the field of photochemistry*

2010 — *BlancOne® 1.0 Technology. Fast as light whitening treatments, on the market for the first time*

2016 — *BlancOne® 2.0 Technology. The first, post-hygiene whitening treatment, in 10 minutes, conquers the market*

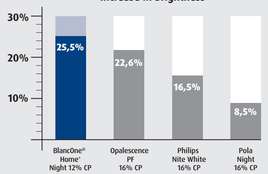
2018 — *BlancOne® HOME. First home formulation with hydroxyapatite*

2022 — *BlancOne® 3.0 Photochemistry pushes take bleaching beyond its limits*

2023 — *BlancOne® Tooth Rejuvenation Technology*

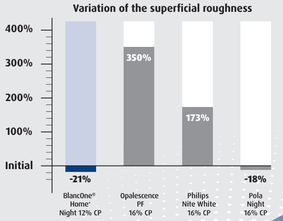
Extraordinary whitening efficiency

The in vitro tests performed on different home whitening materials at the DICCA (Civil, Chemical and Environmental Engineering) Department of the Faculty of Mechanical Engineering of the University of Genoa, showed the extraordinary effectiveness of BlancOne® HOME+ in increasing the brightness of the dental structure compared to the best home treatments now present on the market, despite the use of lower concentrations of carbamide peroxide.



Protecting and repairing the tooth surface

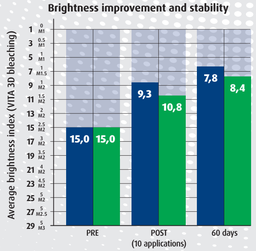
By means of atomic force microscopy (AFM), the tests performed by the University of Genoa analysed the increase in superficial roughness * of the elements treated with different home whitening products. BlancOne® HOME+ was found to be the only treatment capable of combining a high whitening efficiency with a reduction of the superficial roughness due to the deposition of new additional material. On the contrary, other products have showed a significant increase in the superficial roughness.



* Superficial roughness has been analysed by means of the SDR parameter which represents the percentage of additional surface resulting from the surface topography compared to an ideal plane of the dimension of the region analysed. For a flat surface, SDR is equal to 0% and it increases together with the complexity of the surface topography.

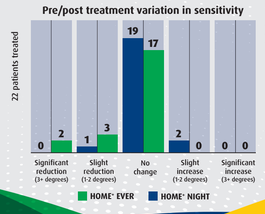
10 days of treatment for long lasting results

In vivo tests performed on a group of 44 patients, equally divided between the NIGHT and EVER formulations, confirmed the extraordinary effectiveness of BlancOne® HOME+ in increasing tooth brightness in an extremely fast way: 10 applications within 2 weeks. Tests performed after 60 days from the end of the treatment cycle show the extraordinary persistence of the results reached, and in many cases, a further improvement in terms of brightness.



Tooth sensitivity reduction

In addition to its extraordinary whitening effect, the in vivo tests showed, by means of Cold Tests, a nearly total absence of increase in tooth hypersensitivity during and after the whitening treatment performed with BlancOne® HOME+. Some of the patients treated with BlancOne® HOME+ EVER have indeed reported a significant reduction in pre-existing tooth hypersensitivity.



3 formulations for every need

BlancOne® HOME+ FAST is a day fast whitening treatment.
With an activator setting the scission of peroxide within a few seconds, BlancOne® HOME+ FAST develops its action in only 45 minutes.
FAST is ideal for those who do not spend much time at home, or do not want to wear trays during the night, but need an immediate result, maybe for a special occasion.

BlancOne® HOME+ NIGHT is a night whitening treatment which maximises tooth brightness stabilising it in the long term.
Its formulation is also ideal for the internal bleaching of non-vital elements thanks to the "walking bleach" technique.

BlancOne® HOME+ EVER
Is a night treatment for teeth rejuvenation, combining a delicate whitening action to the maximum remineralising action. Thanks to its characteristics it can be used for long periods of time and it is especially suitable for sensitive teeth, maintenance and as an adjuvant during orthodontic treatments in invisible aligners to combine the alignment with a remineralising, anti-plaque and brightening action.

Type	Specification	Active ingredients	Treatment cycle	Strong points
HOME+ FAST	**Day fast whitening treatment**	**HP 6.0%** nHAP 0.5% Vitamin Booster Activator	10-15 applications **45 minutes**	Effectiveness Stability
HOME+ NIGHT	**Night whitening treatment Endodontic whitening treatment**	**CP 12%** (HP **4.2%**) nHAP 0.5% Vitamin Booster	10-15 applications **at night**	Effectiveness Stability
HOME+ EVER	**Orthodontic aligners Sensitive teeth Maintenance**	**CP 7%** (HP **2.4%**) nHAP 1.0% Vitamin Booster	10-15 applications **at night**	Effectiveness Stability

The top for you

Low viscosity

BlancOne® HOME+ gel low viscosity allows the use of trays, **without reservoirs and undercuts, easier and faster to implement**, even in the office.
Ideal for invisible orthodontic aligners.
This simplified design **minimises the use of material and the accidental spilling of gel**.

Self-mixing system

BlancOne® HOME+ gel activates within the self-mixing tips allowing an **easy and precise application of the gel** in the trays, **preventing the waste** of material.
Once started the treatment, the syringe can be **stored** up to 3 months at room temperature, **without refrigeration** (except for FAST) and without disconnecting the tip.

Eco friendly packaging

The new BlancOne® HOME+ packaging has completely removed plastic packaging and reduced the amount of plastic used in syringes, tips and accessories.
-42,8% of plastic (in terms of weight) compared to the previous packaging. We have no Planet B!

Extremely versatility

The new BlancOne® HOME+ line has been developed to offer professionals and patients the maximum versatility in terms of solutions and treatments:
3 formulations: FAST, NIGHT, EVER
2 types of packaging:
Single one-patient packaging,
Multi economical 6-patient packaging
2 Patient kits available separately:
Deluxe with Smile Box and bag in 6 coordinated patterns,
Easy economical version.

Chiara Lorenzi
«BlancOne® is a guarantee! The innovative line of BlancOne® HOME+ home treatments is amazing! The 3 different formulations provide the chance to choose the perfect product for every patient and need. Thanks to the combined action of the whitening component with the remineralising one, the onset of hypersensitivity, causing discomfort and the subsequent interruption of traditional home whitening treatments, is prevented.»

Claudio Pasquale
«A product providing extraordinary results and which can, at last, be used during orthodontic therapy with aligners. All this without damaging the enamel and incurring in tooth sensitivity, even in long-term treatments. A much-needed solution!»

Giuseppe Lipani
«The new HOME+ allows patients an easy application and the chance to store and carry it at room temperature. The new tip, together with an ideal viscosity of the gel, facilitates the product application by patients, preventing waste and accidental spilling of gel from the tray. The new 12% HOME+ NIGHT showed a higher clinic effectiveness compared to the old 10% HOME, reducing applications of one third to reach the expected result, while preserving tooth integrity. EVER, at 7%, provides a new tool for professionals to safely meet the needs of those who are undergoing orthodontic treatments with aligners, thanks to a 360-degree action of the product on the tooth.»

Romina Rossoli
«The new BlancOne® HOME+ system enhances the range of whitening solutions and chances offered by BlancOne®: An extraordinary line of home whitening treatments allowing us to whiten, brighten and regenerate each type of tooth, without sensitivity. As usual, the priority is to establish the aesthetic request and the type of patient and tooth which we have to treat. After that... nothing is missing to get where we want!»

Luigi Gentile
«I have been performing orthodontic treatments with invisible aligners since 2005 and I would have always liked to combine the orthodontic treatment with a whitening one. Seeing my patients smile becoming more harmonious on one side but, on the other, dull and grey, is a paradox. I tried different whitening treatments in aligners, but most of the times the patient was forced to interrupt the treatment after a few days due to the onset of hypersensitivity and the results were never as expected. Today I have found in BlancOne® HOME+ EVER what I was looking for, hypersensitivity has become the exception, even in long-term treatments. Teeth alignment has been progressing together with brightness and, of course, patients are really happy! I have used the product also before the adhesion of attachments, without noticing detachments and, after having removed them, the colour of the teeth proved to be uniform even underneath. With BlancOne® HOME+ EVER tooth whitening has become an integral part, from the beginning, of my systematic orthodontic therapy with invisible aligners. I did it, so can you!»

Aldo Mazzella
«In my experience, the new HOME+ is a unique product in the field of tooth whitening, with its 3 new formulations, it can meet our patients expectations: FAST for those who do not spend much time at home but need an immediate result, NIGHT allowing effective results and brightness stability in time, EVER, for orthodontic patients, to obtain, during orthodontic treatments with clear aligners, a more aligned and whiter smile, with no sensitivity. The right solution for every need.»

Stefano Checchi
Silvia Fasoglio
«Our patients are really happy with the excellent results obtained in a few applications and without adverse effects! The most surprising aspect is the fact that the product works with a minimum quantity of gel compared to other home whitening products.»

Valentino Natoli
«I believe that the new BlancOne® HOME+ is extremely effective, our patients have noticed, from the very first days of treatment, a fast change in the shade without side effects.»