

GEL DESENSITIZER

DESENSITIZER FOR HYPERSENSITIVE TEETH

New gel-type desensitizer
Easier application and higher effectiveness

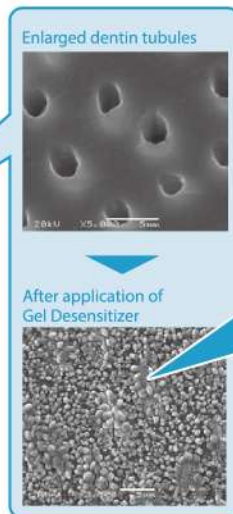
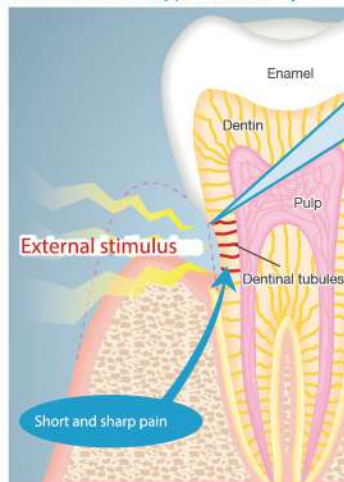


Excellent performance on desensitization

MS Polymer Oxalic acid Potassium salt

Get Desensitizer inherited MS Coat series' excellent performance in managing hypersensitivity, advanced with additional potassium salt. Nano sized MS polymer and oxalic acid react chemically with calcium in teeth and form a protective film containing fluoride (sodium fluoride) and potassium salt: The gel remains longer on teeth so dentin tubules can be sealed tighter than other MS Coat series.

Mechanism of Hypersensitivity



Cross sectional view of dentin (after one 30 sec. application)

Gel Desensitizer reacted with calcium to coat the dentin surface and occluded dentin tubules.

Increased number of potassium ion is effective on inhibition of neuron transmission.*

Image of cross sectional view of dentin

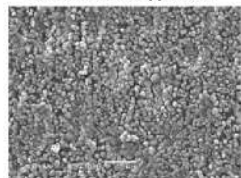
*Kim S. Hypersensitive teeth: desensitization of pulpal sensory nerves. J Endod 12, 483-485, 1986.
*Prohászka AV. Disruption in effects of potassium ions on action potential conduction in A- and C-fibers of rat spinal nerves. J Dent Res 74, 634-641, 1995.

Increased acid resistance Sodium fluoride

Included sodium fluoride Improves MS polymer film's acid resistance. It protects the coated area from demineralization by dietary acids.

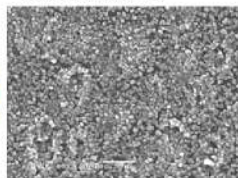
Inhibits acid erosion

Tooth surface after Gel Desensitizer application



Dentin surface was coated with occluded tubules.

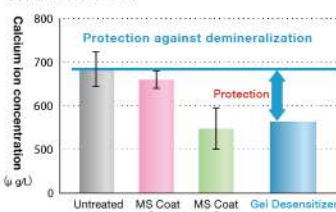
Protected area after soaked in a soda for 10 min.



MS Polymer coating remained after the soda attack.

Protection from demineralization by lactic acid

(Application for 30 sec.)



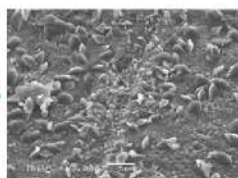
The amount of calcium ion released by the acid challenge (lactate pH 4.5, for 2 hours) from the dentin pretreated with 3 different desensitizers. Gel Desensitizer inhibited the demineralization as well as MS Coat F. Adding sodium fluoride contributed to the improved acid resistance of MS polymer film.

Decreased hypersensitivity at tooth whitening

Gel Desensitizer can reduce the hypersensitivity after tooth whitening.

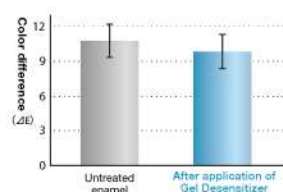


Microcrack in enamel after whitening



The crack was sealed with Gel Desensitizer.

Application of Gel Desensitizer before the whitening will not alter the whitening results.



The gel will not affect the future whitening treatments. The outcome of desensitized enamel will be as bright as the non-treated enamel.

Localized area : Canine with dentin hyper sensitivity



Clean the surface



Apply



After 30 sec. application and rinsed

Large area : After cleaning



Polish after scaling (mechanical instrumentation)



Dispense Gel Desensitizer to a rubber cup



Rub each tooth surface with low to moderate speed for 5 sec.

Contents of the kit

- Gel Desensitizer - 1(3mL)
- Plastic Needle Tip - 10 (with 1 grey Needle Cap)