

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.

# Gel Desensitizer

Desensitizer for Hypersensitive Teeth

Pictures of product



Contents of the kit

- ① Gel Desensitizer ..... 1 (3mL)
- ② Plastic Needle Tip ..... 10 (with 1 grey Needle Cap)



Sold Separately

- Plastic Needle Tip ..... 50 (with 2 grey Needle Caps)

New gel-type desensitizer  
Easier application and higher effectiveness



Made in Japan by

**SUN MEDICAL CO.,LTD.**

571-2 Furutaka-cho, Moriyama,  
Shiga, 524-0044, Japan  
Phone:81-77-582-9981 Fax:81-77-582-9984  
<http://www.sunmedical.co.jp>



# Easier application and higher effectiveness! New gel-type desensitizer

Easy application without the hassles of multiple steps!  
No measuring, mixing, applicators or light-curing.

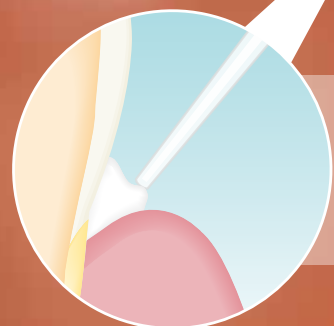


- Point 1** Direct application from the syringe
- Point 2** No need of rubbing motion
- Point 3** Perfect viscosity lets it stay on the spot.

## Clinical procedure



**1. CLEAN**  
Clean a tooth surface with brushes or cotton pledgets.



**2. APPLY**  
Form a thin layer and wait for 30 seconds.  
The gel has a pleasant sweet flavor.

**3. RINSE**

**Tip 1**  
If the area is too sensitive to have deposits removed, you can apply the gel over the deposits with cotton applicator and rub it in.

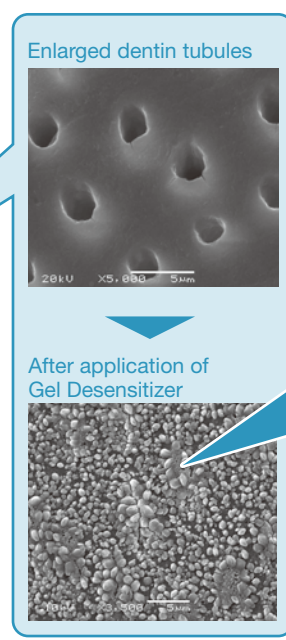
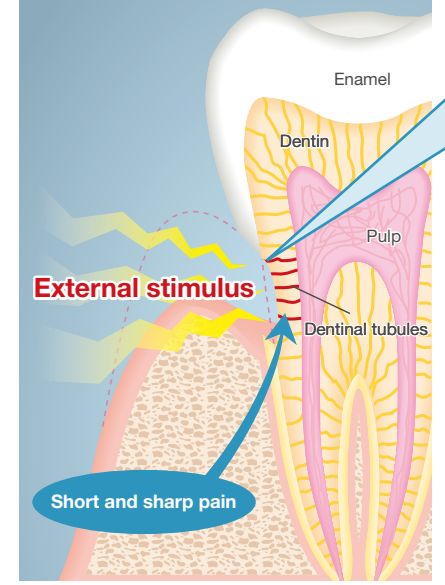
**Tip 2**  
Use a rotary cup with low speed for a larger area.

## Excellent performance on desensitization

MS Polymer   Oxalic acid   Potassium salt

Gel 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.\*

OA: oxalic acid

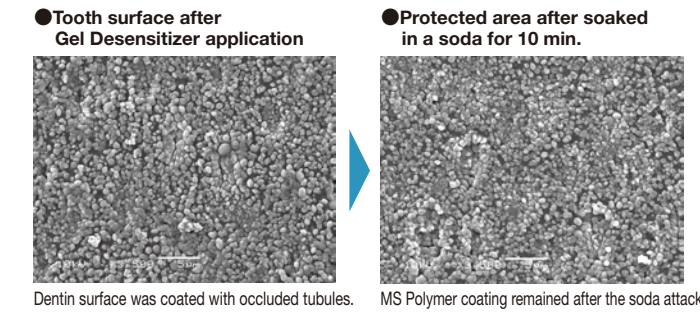
\*Kim S. Hypersensitive teeth: desensitization of pulpal sensory nerves; J Endod 12, 482-485, 1986.  
\*Peacock JM, Orchardson R. Effects of potassium ions on action potential conduction in A- and C-fibers of rat spinal nerves; J Dent Res 74, 634-641, 1995.

## Increased acid resistance

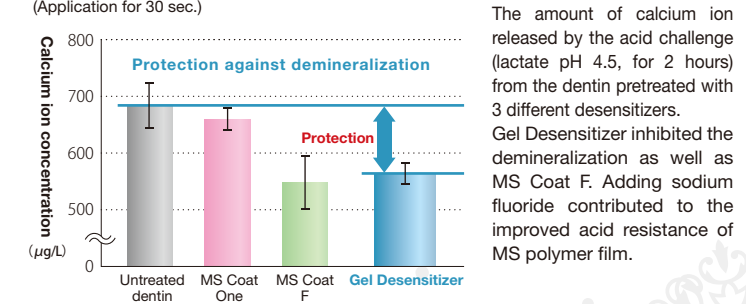
Sodium fluoride

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

### Inhibits acid erosion

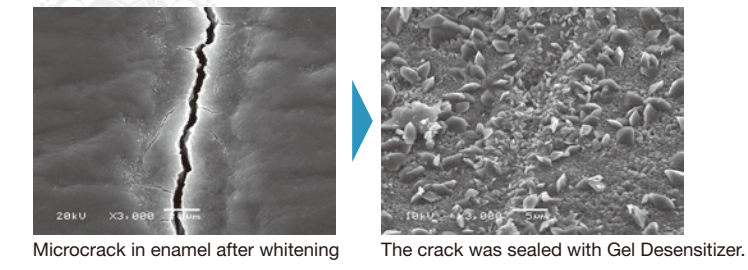


### Protection from demineralization by lactic acid



## Decreased hypersensitivity at tooth whitening

Gel Desensitizer can reduce the hypersensitivity after tooth whitening.



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

