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MITSUI CHEMICALS GROUP



## Gluma Desensitizer: *Liquid vs. Gel*

By Lee Ann Brady, DMD



Gluma Desensitizer has long been considered the gold standard in restorative desensitizers and now we have two great ways to use it – in the original liquid form and the new green power gel formulation.

The combination of glutaraldehyde and HEMA are what make this product effective. The glutaraldehyde has two mechanisms of action: first, it acts as an anti-microbial in the dentinal tubules reducing the risk of pulpitis caused by bacterial infiltration. Second, it prevents the production of MMPs, slowing bond degradation and increasing the lifespan of the restoration. The HEMA produces a collagen plug in the dentinal tubules that eliminates post-operative sensitivity.

I use the original formula of Gluma Desensitizer for anterior teeth, whether it is a class 3 composite, veneer or full ceramic crown. The clear liquid is applied to the prepared tooth surfaces with a microbrush after etching gel has been rinsed and dried or prior to the application of a self-etch adhesive. The excess is then dried with a cotton pellet.



The newer formulation of Gluma Desensitizer PowerGel makes placement in the posterior much simpler and more predictable. The green gel is delivered in a tube with a tip much like flowable. The non-drip formula provides greater control and accuracy in the back of the mouth, while the green color allows me to see exactly where I placed it and that it has all been removed. The gel is left against the tooth surfaces for 30-60 seconds, and then rinsed off.

It is great that one of my all time favorite dental products has increased ease of use and adaptability for all restorative procedures thanks to two unique delivery options.