

Silver AG 2.0TM uses the power of silver to bring long lasting antimicrobial properties to one of Kicks For Gents® most popular cushioned top covers. Silver AG 2.0TM has been strongly received in diverse industries such as sportswear, footwear, orthotics, and prosthetics. End users value Silver AG 2.0 for its enduring ability to reduce odors and keep products fresh.

Silver AG 2.0TM contains ultra fine silver crystals that release silver ions at a controlled rate, only when conditions for bacterial growth exist. It avoids the fabric discoloration that can occur with other silver antimicrobial products through the careful control of the size and shape of the particle during production. Silver AG 2.0'sTM

performance is delivered by a proprietary carrier system specifically formulated to ensure durability when laminated to a synthetic material.

Silver AG 2.0^{TM} promises lasting cleanliness and freshness protection for the user in between washes. As high performance, comfort, and confidence are key requirements for consumers, the addition of Silver AG 2.0^{TM} at the point of manufacturing is an important value-added feature.





Product Information	
Physical State:	Finely divided dispersion
Appearance:	White opaque
Particle size:	250nm
pH (5% Solution @ 25C/77F):	4.0 - 5.0
Solubility	dispersible in water
Active Ingredient	Silver
Treatment level (owg)	1.0 - 3.2%

Processing Conditions

Silver AG 2.0^{TM} is treated with an aqueous-based antibacterial textile treatment designed to inhibit the growth of odor-causing bacteria. It is supplied as a two component system.

Part A contains the active ingredient, providing optimal performance against a broad range of organisms.

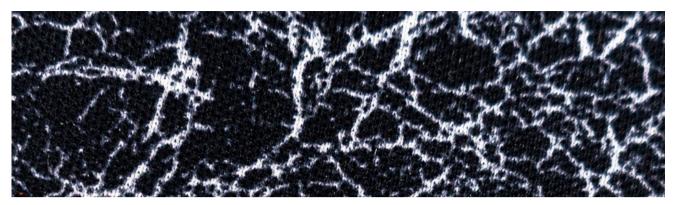
Part B, specifically formulated for use with Part A, ensures excellent durability on both natural and synthetic fibers.

Regulatory Approvals

Silver AG 2.0[™] is treatment is EPA (USA) registered, BPR (EU) compliant and Oeko-Tex listed, and complies with all regulatory requirements of each country where it is sold.



Silver AG 2.0TM Product and Process Information



Antimicrobial Efficacy

To assess antibacterial performance, samples treated with the Silver AG 2.0^{TM} formula are tested using a quantitative bacterial test procedure.

The recommended tests are $\mathrm{ISO}20743$ and JIS 1902



Photos of bacterial recovery from fabric tested using ISO 20743 (Klebsiella pneumonia) to assess antibacterial activity.