

Available in full sheets, half sheets and strips.

ACOR[®] XS Echocel[®]

XS Echocel[®] uses the power of silver to bring long lasting antimicrobial properties to one of Acor[®]'s most popular cushioned top covers. XS Echocel[®] has been strongly received by manufacturers in diverse industries such as sportswear, footwear, orthotics and prosthetics as a suitable replacement for industry standard cushioning urethanes. End users value XS Echocel[®] for its enduring ability to reduce odors and keep products fresh.

XS Echocel[®] 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. **XS Echocel[®]** performance is delivered by a proprietary carrier system specifically formulated to ensure durability when laminated to a synthetic material.

XS Echocel[®] 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 **XS Echocel[®]** at the point of manufacturing is an important value-added feature.

Acor® XS Echocel® product and process information.

PRODUCT INFORMATION

Physical state	finely divided dispersion
Appearance	white opaque
Particle size	250 nm
pH (5% solution @ 25C/77F)	4.0-5.0
Solubility	dispersible in water
Active Ingredient	silver
Treatment level (owg)	1.0-3.2%

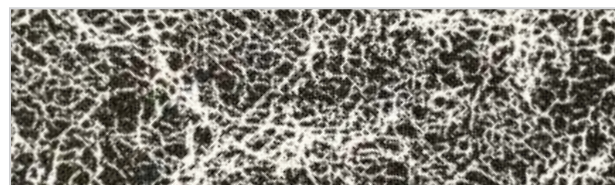
PROCESSING CONDITIONS

Acor XS Echocel® 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

The XS Echocel® 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.



Antimicrobial Efficacy

To assess antibacterial performance, samples treated with the XS Echocel® formula are tested using a quantitative bacterial test procedure. The recommended tests are ISO20743 and JIS1902.



Bacterial recovery from treated article.



Bacterial recovery from untreated article.

Figure 1. Photos of bacterial recovery from fabric tested using ISO 20743 (*Klebsiella pneumonia*) to assess antibacterial activity.