

# Antimicrobial Features & Benefits

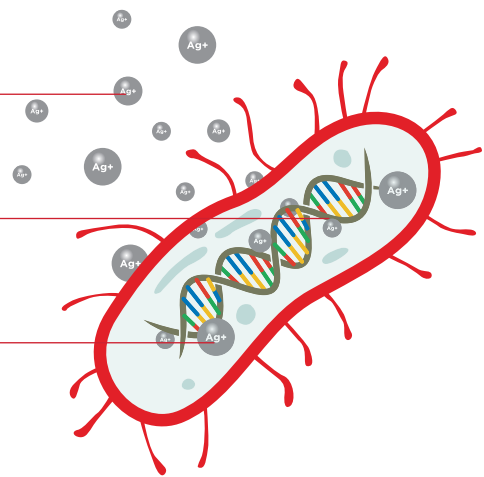
Promessa<sup>®</sup> AV is engineered with EPA-registered technology to inhibit growth of microorganisms and other surface pathogens. Ultraleather<sup>®</sup> Pro and Linen also have the same technology to provide a cleaner, safer, healthier environment.

## Linen | Ultraleather Pro | Promessa AV

Silver ions pass through the cell walls.

Silver ions stop respiration, which stops energy from being produced for the cell.

Silver ions interact with the DNA, to inhibit cell division, which, in turn, stops replication.



The inherent antimicrobial protection, a silver ionbased agent, prevents the growth of both gram-positive and gram-negative bacteria. Since silver ions do not readily evaporate nor dissolve, the efficacy will be long-lasting. Silver ions are not to be confused with nano-silver, which has been shown to leach out, contaminate other surfaces, and be absorbed into the human body. Additionally, the added protection does not contain triclosan or triclocarban.

The metallic ion structure of the antimicrobial agent is approved for textile use – specifically polycarbonate polymers – and is registered by the United States Environmental Protection Agency.

Ultrafabrics<sup>®</sup> antimicrobial collections are tested to ASTM E2180 and/or AATCC 147 to evaluate the antibacterial effectiveness of agents incorporated or bound into or onto mainly flat hydrophobic or polymeric surfaces. Our outdoor collections that include an anti-mildew agent are tested to ASTM G21 – a method designed to evaluate the fungal resistance of plastics and polymeric materials.

**Note:** One of the best ways to keep Ultrafabrics looking great and germ-free is through proper maintenance. Antimicrobial protection does not replace regular cleaning and disinfection. Please visit our website for a full list of approved cleaners/disinfectants.