

## ABOUT AEGIS MICROBE SHIELD®

AEGIS Microbe Shield® is a full spectrum liquid antimicrobial suitable for use in a wide range of urethane cross-linked chemistries including urethane foams, coatings, and Reaction Injection Molding (RIM) processes. AEGIS® technology is an easy to process liquid formulation that can be pre-mixed into polyols and provides excellent antimicrobial activity in finished products and long-term stability and durability in polymer applications.



*For further information please visit [microban](#).*

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## HOW DOES IT WORK?

AEGIS® Antimicrobial forms a long-lasting antimicrobial polymer that penetrates and bonds to the microscopic pores of any hard or soft surface to form an optically transparent protective shield. Microorganisms are attracted to the coating's positive charge and quickly die upon coming into contact with the surface. AEGIS shield inhibits the growth of microbes on surfaces by neutralizing the microbes' natural cell wall protection. The antimicrobial treatment creates a bed of spikes that can puncture the cell wall of pathogens deposited via air or touch.

*For further information on its mode of action please visit their page on [AEGIS® Antimicrobial](#).*

## KEY ATTRIBUTES

### SUSTAINABILITY:

- Contains no heavy metals, no arsenic, tin, heavy metals, or polychlorinated phenols.
- This product will not give off any gases, leach onto other surfaces, or lose its strength over time.

### PERFORMANCE:

- The unique properties of AEGIS® Antimicrobial allow permanent bonding of the product to any surface to which it is applied.
- As long as the surface is kept clean with normal cleaning procedures, the surface will continue to fight any microbial growth.
- Does not rub off or migrate onto the skin.
- The confidence of more than 25 years of safe and effective use.
- Fabrics tested with Aegis have demonstrated antimicrobial performance for up to 30 industrial washes.