

You Can't See Them, But They're There

Microbes include bacteria, fungi, and algae. They are found everywhere and can lead to foul odors, discoloration, and formation of biofilm such as mildew or slime.

Proper hygiene and cleanliness are essential to prevent microbe contamination, but cleaning procedures are often costly and time-consuming. Most important, they do not provide an ANTIMICROBIAL residual to protect against fresh contamination.

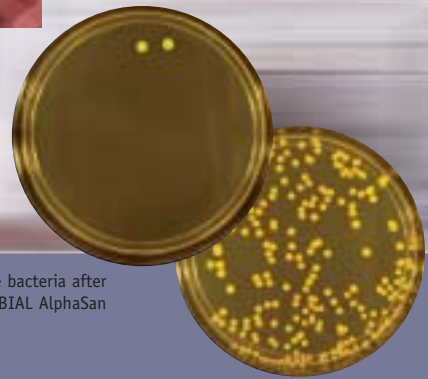
Using the Arcoplast ANTIMICROBIAL surface to supplement your established hygiene practices is the best way to increase protection against microbial contamination. All Arcoplast panel surfaces include Milliken Chemical's ANTIMICROBIAL AlphaSan.

AlphaSan®

ANTIMICROBIAL AlphaSan is a zirconium phosphate-based ceramic ion-exchange resin containing silver. It is an integral part of the gel coat covering Arcoplast surfaces, adding bacteriostatic, fungistatic, and algistatic properties. And silver is well-known to be safe for human contact.

The Arcoplast ANTIMICROBIAL surface with AlphaSan:

- **Improves contamination control** by providing inhibitory activity against a wide range of microorganisms.
- **Works for you all the time**, not just during cleaning procedures, by providing continual ANTIMICROBIAL impact through silver ion exchange.
- **Meets regulatory requirements** because AlphaSan is EPA FIFRA approved for food and drinking water contact and even FDA approved for food packaging.



Colonies formed by viable bacteria after exposure to ANTIMICROBIAL AlphaSan

Colonies formed by viable bacteria not exposed to AlphaSan



Arcoplast's Commitment

Arcoplast is committed to:

- 100% performance
- 100% satisfaction
- State-of-the-art technologies
- Research and development to bring cutting edge products and materials to market, such as the Arcoplast ANTIMICROBIAL surface
- Fully integrated turnkey systems that offer real solutions to industry needs
- Innovative leadership in contamination controlled environments



Walls and ceilings with the Arcoplast ANTIMICROBIAL surface incorporating AlphaSan are not a substitute for regular cleaning, disinfecting, and maintenance. When combined with appropriate hygiene programs, Arcoplast wall and ceiling systems can be an important part of a contamination control program.

Arcoplast is a registered trademark of Arcoplast, Inc.

AlphaSan is a registered trademark of Milliken and Company.



Photographs of Arcoplast installations provided by Industrial Construction Services, Inc., St. James Minnesota.



WALL AND CEILING SYSTEMS WITH THE ARCOPLAST ANTIMICROBIAL SURFACE

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Technical information, design services, and expert installation are available from:

arcoplast is

antimicrobial



WALL AND CEILING SYSTEMS WITH THE ARCOPLAST ANTIMICROBIAL SURFACE

Revolutionary new wall and ceiling capabilities
For any environment where contamination control is critical



Arcoplast — For Your Safety...And the Safety of Your Customers

Arcoplast ANTIMICROBIAL wall and ceiling systems are designed for the highest performance in all critical environments.

- Food and beverage processing
- Pharmaceutical applications
- Neutraceutical applications
- Animal science

Arcoplast wall and ceiling system components are finished with the Arcoplast ANTIMICROBIAL surface that incorporates ANTIMICROBIAL AlphaSan® from Milliken Chemical.

Arcoplast systems are the walls and ceilings of choice for food and beverage processors and others who demand the highest standard of cleanliness. They know that in this time of more complex food processing and increased litigation, they must use every best practice to control contamination.

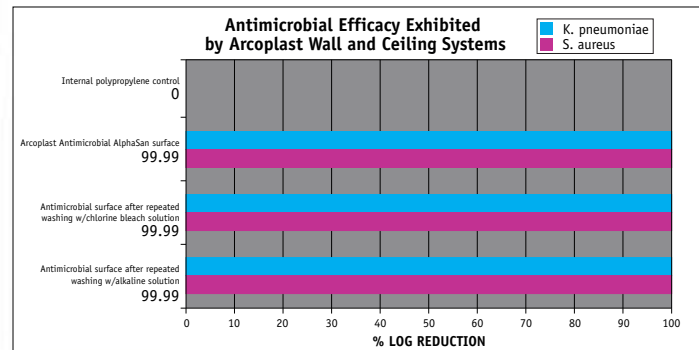
It's not an option. It's a requirement.

All Arcoplast wall and ceiling surfaces have the Arcoplast ANTIMICROBIAL surface built in. **It's not an option. It's included.**

Arcoplast And AlphaSan: Proven Effective

Arcoplast ANTIMICROBIAL surfaces add proven impact to your regular contamination control program.

Laboratory tests have shown that Arcoplast components with AlphaSan suppress the growth of microbes. The tests found that the Arcoplast ANTIMICROBIAL surface actually reduced the number of microbes on the surface as time passed. The Arcoplast surface retained its ANTIMICROBIAL properties even after repeated cleanings with solutions used in the food and beverage processing industries.



The Arcoplast ANTIMICROBIAL Surface

The Arcoplast ANTIMICROBIAL surface is a hard, high-gloss, maintenance-free, permanently durable polymer gel coat that includes ANTIMICROBIAL AlphaSan.

The Arcoplast surface is integrally bonded to cores of polyisocyanurate foam, plywood, cement board, or solid glass-fiber reinforced plastic, to suit user requirements. It has excellent weatherability and colorfastness characteristics.

Arcoplast panels provide **exceptional design flexibility** for clean room construction. They come in a wide range of dimensions and thicknesses to meet thermal, impact, aesthetic, and fire rating requirements.

Every Arcoplast panel, tile, and accessory can be constructed to meet a "Class 1" fire rating... and USDA and Canada Agriculture compliance.

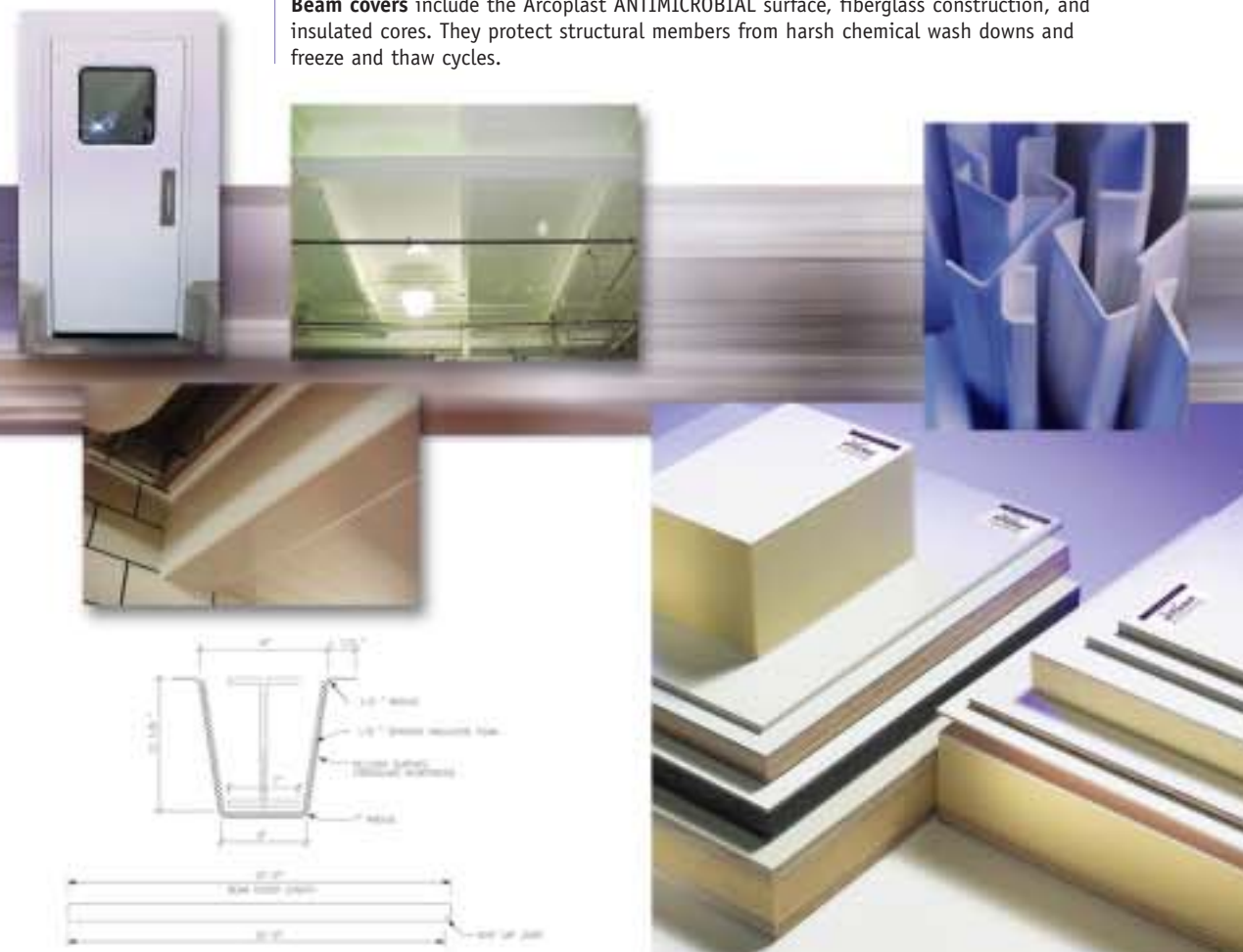
Arcoplast — A Complete Solution for Critical Environments

Arcoplast wall and ceiling systems include the components and accessories needed for a contamination controlled environment:

- Ceilings
- Beam Covers
- Wall liner panels
- Load-bearing and free-standing partitions
- Doors
- Windows
- Pass-thru air locks
- Baseboards
- Structures
- Fasteners
- Access panels
- Moldings and joint covers

Doors and windows are designed to be an integral part of a contamination controlled environment, and they include the Arcoplast ANTIMICROBIAL surface.

Beam covers include the Arcoplast ANTIMICROBIAL surface, fiberglass construction, and insulated cores. They protect structural members from harsh chemical wash downs and freeze and thaw cycles.



Arcoplast ANTIMICROBIAL Ceiling Systems

Arcoplast closed edge ceiling tile. This patented tile **inhibits the penetration of moisture**, water, and air-borne contaminants that can lead to mold, mildew, and fungi build-up and potential foul odor and contamination problems.

Arcoplast concealed hanger system. This system features very large panels — up to 10 by 50 feet — for highly critical clean room environments. Concealed hangers on the back make for a clean, unobstructed, smooth panel finish. Joints sealed with our unique fiberglass batten cover system complete an ANTIMICROBIAL ceiling that **minimizes opportunities for contamination.**

Arcoplast heavy duty walk-on ceiling system. Offered in various configurations, these structural panels with a heavy duty resin grid system allow large, clear spans. They have a load capacity of up to 65 pounds per square foot. This system permits servicing in the plenum at all times, allowing **uninterrupted production in the room below.**

Arcoplast direct attached ceiling system. This system is designed for **spaces requiring maximum height**, under mezzanine structures, or where the ceiling must be directly attached to the existing building structure. It can use our 10 by 50 foot panels and sealed fiberglass battens for ANTIMICROBIAL protection in critical clean rooms.

Arcoplast ANTIMICROBIAL Wall Systems

Partitions. Arcoplast's wall panels can be configured for **both load-bearing and free-standing** partitions. Non-hollow core construction makes them particularly effective in clean rooms.

Wall liners. For **re-facing existing walls**, our ANTIMICROBIAL wall panels come in dimensions up to 10 by 50 feet. They can be anchored to existing stud, masonry, metal, and ceramic walls and are available with all Arcoplast cores.

