

Anti-Microbial Protection Liners for Vision® and Skyline® Air Handlers

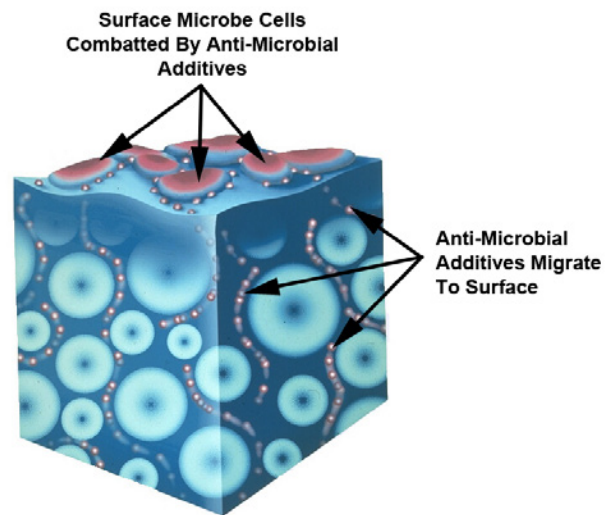


What is Anti-Microbial Liner Protection?

Daikin's anti-microbial protection (see figure above) effectively inhibits the growth of most common micro-organisms such as, bacteria, yeasts, molds and fungi that cause stains, odors, and degradation of applied coatings. These dust and moisture microbial contaminants are inherent in all HVAC systems, creating a potential breeding ground for mold and mildew. Vision™ and Skyline™ air handling units now offer optional anti-microbial protection to combat this problem.

How Does It Work?

Applied during the manufacturing process, Dura Coat Products Inc. Pre-Vent® anti-microbial protection liner uses a proprietary polymer system combined with laboratory tested and proven anti-microbial technology that is also EPA and NSF approved and FDA listed. The anti-microbial protection is an integral part of the the liner coating and is formulated to last the life of the finish.



Once incorporated, the protection works as soon as bacteria come into contact with the liner coating surface. In the above figure, the finish additive penetrates the bacteria cell's wall and inhibits the cell's ability to function, grow, and reproduce. This results in continuous anti-microbial protection at the product surface.

Note: Not designed to protect against disease causing micro-organisms. Normal surface cleaning should be maintained.

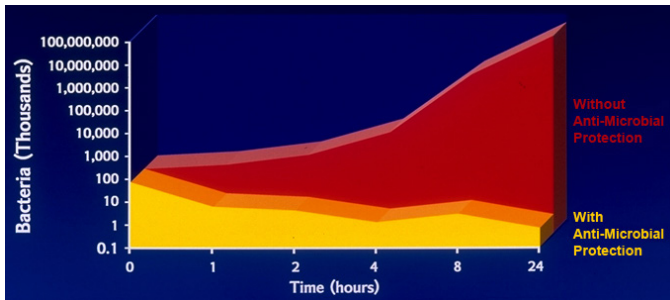
What Are The Benefits?

Although applicable to all building types, the protection liner is especially useful in buildings where there is heightened concern about microbial growth such as hospitals, nursing homes, day-care centers, institutions, labs, and schools.

Benefits include:

- Cost effective
- Impedes bacteria, mold, or fungi contamination
- Protection liner is integral to the coated surface
- Improves air quality

The graph below shows the improved performance capabilities by incorporating the protection liner. From the time of additive-to-bacteria contact (and beyond) the protection liner unequivocally diminishes bacteria count, thereby enhancing air quality.



In addition, the figure below shows actual surface evidence of the effects of applying (and not applying) an anti-microbial protection liner.



Conclusion

The results are both factual and dramatic, and should always be a source of consideration for improved air-quality environments.