

PRO BARRIER 24/7 Antimicrobial Surface Protection

- In many facilities risk of microorganisms are widespread on surfaces and equipment. Hygienists actively seek ways to create barriers against spread of microorganisms across the facility from the doors, counters, walls, to the floors.
- Pro-Barrier, provides durable, built-in protection against bacteria, fungi, molds and yeasts, and actively controlling organisms that may try to establish themselves on any surfaces.
- It's increasingly important to maintain the most stringent hygiene conditions. The COVID situation identified the need for better solutions on a continual basis.

- Pro-Barrier is:
 - “Quat free”
 - Antimicrobial additive is EPA Approved



Flooring



- Kills pathogens (Viral, Bacterial and Fungal) on surface contact
- Long-lasting protection from pathogens (5 years) based on single application

Tile Walls



- Superb adhesion and flexibility for all floor surfaces, dries clear
- Excellent scuff, scratch, and solvent/chemical resistance
- Withstands repeated wet cleaning with detergents

Counters



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- Low odor and VOC (<37 g/L) on handling and installation
 - Economical coating and coverage (400 sf/Gallon)
 - Simple product application – Brush, Roll, Spray – application requires mixing 2-part water-based epoxy formula

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- Pro-Barrier utilizes Sanafor® Zinc PYRION™ as the active antimicrobial agent within its water-based epoxy formulation.



Sanafor® Zinc PYRION™ is a dry-film preservative that provides excellent protection against molds, yeasts, bacteria and algae.

Pro-Barrier dose level is 0.5% by weight.

BSI Name: zinc pyrithione

EPA Approved additive for food manufacturing and healthcare facilities

Antimicrobial Activity[MIC in ppm($\mu\text{g}/\text{mL}$)]

Test Bacteria(Organism)	ATCC No.	MIC in ppm
Gram Positive Bacteria ;		
Bacillus cereus	11778	12.2
Micrococcus luteus	9341	12.2
Staphylococcus aureus	6538P	12.2
Streptococcus faecalis	29212	12.2
Gram Negative Bacteria ;		
Escherichia coli	25922	12.2
Proteus vulgaris	13315	24.4
Pseudomonas aeruginosa	9027	12.2
Salmonella typhimurium	DSM 554	12.2
Molds ;		
Aspergillus niger	16404	12.2
Trichophyton mentagrophytes	CBS 26379	12.2
Yeasts ;		
Malassezia furfur	DSM 6170	12.2
Candida albicans	10231	12.2
Saccharomyces cerevisiae	9763	12.2

The Minimum Inhibitory Concentration (MIC) of Zinc Pyrion™ was determined by agar dilution method in DIN 58 940. The results, in vitro, show at very low concentrations of Zinc Pyrion (0.5%) inhibits microorganism growth with a broad spectrum of activity.