

BIO-PRUF® ANTIMICROBIAL

DESCRIPTION

All DUR-A-FLEX, INC. 100% Solids Flooring systems are available with BIO-PRUF® Antimicrobial*. This treatment will provide the floor with long-term protection against a broad spectrum of bacterial and fungal attack. It will also help prevent surface growth, musty odors, permanent staining and the development of fungal spores. BIO-PRUF® Antimicrobial* is formulated into the Flooring system from the basecoat up through the topcoat.

BIO-PRUF® will not discolor or detract from the chemical or physical properties of the system. The treatment is resistant to leaching and is non-volatile during normal application and use conditions. BIO-PRUF® Antimicrobial* is a standard ingredient in the DUR-A-GLAZE KF formula. BIO-PRUF® Antimicrobial* cannot be post-added in the field. It is formulated into the resin during production.

EFFICACY

Microorganisms which are controlled by BIO-PRUF® Antimicrobial treatment:

<u>FUNGI</u>		
Alternaria tenuis	Alternaria brassiciola	Aspergillus clavatus
A. Flavus	A. niger	A. oryzae
A. terreus	A. ustus	A. versicolor
Aureobasidium (Pullularia) pullulans	Candida guilliermondii	C. lipolytica
C. pelliculosa	Candida sp.	Chaetomium globosum
Cladosporium resinae	Epidermophyton sp.	Fusarium moniliforme
Gliocladium virens	Memnoniella echinata	Mucor racemosus
Helminthosporium gramineum	Myrothecium verrucaria	Penicillium citrinum
Penicillium islandicum	P. expansion	P. funiculosum
P. lilacinum	P. luteum	P. piscarium
P. variable	Rhizophus nigricans	Spicaria violacea
	Trichophyton mentagrophytes	
<u>BACTERIA</u>		
Aerobacter aerogenes	Enterobacter sp.	Bacillus subtilis
Desulfovibrio desulfuricans	Lactobacillus sp.	Escherichia coli
Klebsiella pneumoniae	Pseudomonas aeruginosa	Micrococcus sp.
Proteus sp.	S. Typhimurium	Salmonella sp.
Shingella sp.	S. Epidermidis	S. faecalis
S. aureus	S. pyogenes	S. viridans
Listeria sp.	S. aureus	
Bacillus cereus	S. typhosa	
<u>ACTINOMYCETES</u>		
Streptomyces rubrireticuli	Streptoverticillium reticulum	Thermoactinomyces vulgaris

This list includes organisms specified in all of the mildew resistance tests commonly used in North America. These indicator organisms are generally considered more difficult to control than the problem decay and odor-causing bacteria and fungi encountered under normal conditions. Therefore, this list represents only a fraction of the microorganisms controlled by BIO-PRUF® Antimicrobial*. *EPA registration 2829-110. BIO-PRUF® is a registered trademark of Rohm and Haas Company; it's subsidiaries, and its affiliates in the U.S.

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.