

**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 kitchen 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:

<b><u>FUNGI</u></b>		
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	
<b><u>BACTERIA</u></b>		
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	
<b><u>ACTINOMYCETES</u></b>		
Streptomyces rubrireticuli	Streptovercillium 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.*

"Warranties: Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. Seller makes no other warranty, express or implied, and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Seller shall not be liable for prospective profits or special indirect or consequential damages. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product."