



SAVE MONEY WHILE GETTING THE BEST PERFORMANCE OUT OF YOUR MICROBIAL CONTROL CHEMISTRY



Sustain optimal performance for a lower cost with Dow Chemical's BIOBAN™ 200 Antimicrobial. DCOIT (dichloro-2-n-octyl-4-isothiazolin-3-one), a Green Chemistry Award-winning molecule, is the same molecule used to protect marine coatings from fouling without adversely impacting the environment due to its rapid degradation and minimal bioaccumulation. In addition, BIOBAN™ 200 offers:

- Excellent mildewcide performance demonstrated in long-term exposures in different climate conditions
- Bacterial and fungal protection in the wet state
- Long-term microbial control performance due to the low water-solubility of DCOIT (low-leaching)
- Zero-VOC formulation - not detectable using ASTM Method D6886
- Ease of formulation with no need for zinc oxide addition to perform
- DCOIT is not based on iodine so iodine associated yellowing is not a concern

Use BIOBAN™ 200 in combination with ROCIMA™ 63 Industrial Microbicide to tackle algae-challenging conditions. This combination will offer the powerful action of four active ingredients: DCOIT (dichloro-2-n-octyl-4-isothiazolin-3-one), OIT (2-n-octyl-4-isothiazolin-3-one), Carbendazim, and Diuron.

Excellent mildewcide performance

Elastomeric Roof Coating based on Rhoplex™ EC1791			
Exposure site and time	Formulation	General Mildew	Spotty Mildew
Pennsylvania (Spring House) 48 months	No biocide	87	50
	BIOBAN™ 200 2700 ppm of product 540 ppm of active	100	97
Florida (Glen St. Mary) 45 months	No biocide	80	50
	BIOBAN™ 200 2700 ppm of product 540 ppm of active	97	70

Elastomeric Roof Coating based on Lipacryl™ MB-3640			
Exposure site and time	Formulation	General Mildew	Spotty Mildew
Pennsylvania (Spring House) 48 months	No biocide	93	53
	BIOBAN™ 200 2700 ppm of product 540 ppm of active	100	97
Florida (Glen St. Mary) 45 months	No biocide	70	40
	BIOBAN™ 200 2700 ppm of product 540 ppm of active	97	70

Readings based on 0-100 scale. 100 represents greatest resistance to mildew defacement

Performance of DCOIT as in-can preservative

The active present in BIOBAN™ 200, DCOIT, demonstrates performance against fungi and bacteria in the wet state, whereas competitive dry-film preservatives like IPBC do not.

NOTE: BIOBAN™ 200 (DCOIT) is not recommended as a stand-alone in-can preservative, users should check labels for approved uses in their respective States.

	Challenge 1	Challenge 2	Challenge 3	Challenge 4	Challenge 5	Challenge 6	Challenge 7	Challenge 8
KATHLON™ LX 1.5% (CMIT/MIT) @15% ppm of active	Pass	Pass	Pass	Pass	Pass	Fail	Fail	Fail
BIOBAN™ 200 (DCOIT) @900 ppm of active	Pass	Pass	Pass	Fail	Fail	Fail	Fail	Fail
IPBC @ 900 ppm of active	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail

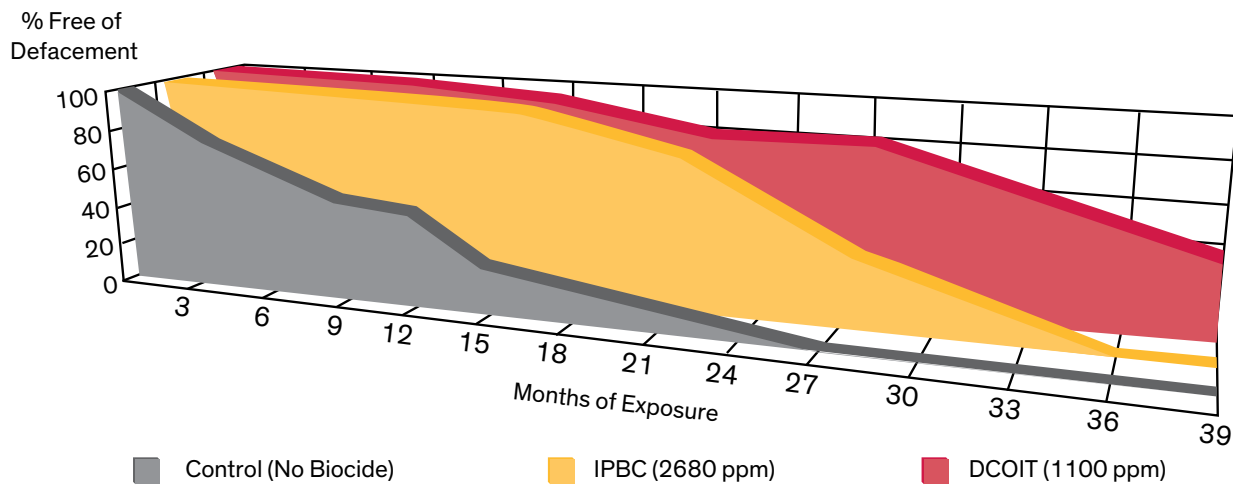
Pass Fail

KATHON LX 1.5% is an in-can preservative
BIOBAN™ 200 (DCOIT) and IPBC are dry-film preservatives
BIOBAN™ 200 is provided as an aqueous dispersion containing 20% DCOIT active ingredient

Longer protection due to low-leaching

The low water-solubility of BIOBAN™ 200 provides extended dry film protection versus IPBC

In-Can Challenge Test Performance in a Coating, pH 9 62 days, 8 bacterial challenges



Dow Microbial Control

<http://www.dow.com/microbial>

US

Toll Free 800 441 4DOW
989 832 1542

dow.com

International

Europe / Middle East + 800 36 94 63 67
Italy + 800 783 825
Asia / Pacific + 800 77 76 77 76
+ 60 37 958 3392
South Africa + 800 99 5078

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USE BIOCIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

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