



Bio guard Wood

BioGuard Wood ® is a Synthetic Co-polymer protective coatings for all types of Wood. A Bio-degradable formulation which protect substrate from bio-degradation, Water, Fire and Termites and thereby enhancing life of the Wooden Substrate.

Application : For all Wood Surfaces used in Furniture, construction, Shipping etc.

Features & Benefits.

- Protects Wood from Bio-degradation & increase life by double – savings in cost.
- Nano-technology coating penetrates deep in to the material – sustained performance.
- Anti-fungal, Anti-microbial, and Anti-paracycte Coating s – Environmental Protection.
- Coverage more than 20% - Lowest Cost-in-use .
- Bio-Degradable / VOC free : Enhanced Carbon foot-print.





CORETECH INDUSTRIAL SOLUTIONS

Bio guard Wood



Product Name	Application	Advantages
BioGuard Wood	Surface Preparation of Wood to be done	Protect Wood from Bio-degradation and increase the life by more than double
	- Clean the surface to remove loose particle / Dust	Nano Technology Penetrates deep into the material and can apply for Wood Fibre etc
	- Any type of Paints / Coating to be removed to get clear wood surface	Ability to restrict water absorption and faster curing
	Shake / Stir well before use	Anti-fungal, Anti-microbial and Anti-parasite coating
	Apply first coat by Brush/ Roller / Spray	Free flow Liquid
	Allow to cure for 2 hours and then apply the 2nd coat	Coverages more than 400% compared to any other similar product
	Apply third coat as final	Easy Brush / Spray application
	2 hours gap to be maintained between each coat	Zero percent Wastage
		Non-Toxic / Smell Free





CORETECH INDUSTRIAL SOLUTIONS

Jar Cellulose New Generation Protective Coatings based on Nano technology

Protective Coatings for Concrete, Pillars,
Walls, Metal structures, Wood, Waterproofing



Protect your
Wood Assets
by using
Jar Bioguard Wood

**SYNTHETIC CO-POLYMER
PROTECTIVE COATING**



**SYNTHETIC CO-POLYMER
PROTECTIVE COATING**



ADVANTAGES

- ▶ Protect wood from Bio-degradation and increase the life by more than double.
- ▶ Nano-technology penetrate deep in to the materials and can apply for wood and fibre etc..
- ▶ Ability to restrict water absorption and faster curing.
- ▶ Antifungal, Anti microbial and Anti paracyte coating.
- ▶ Free Flow Liquid.
- ▶ Coverages more than 400% compared to any other similar products.
- ▶ Easy Brush / Spray application.
- ▶ 0% Wastage.
- ▶ Non Toxic / Small Free.

VOC FREE

WATER BASE

GREEN / BIODEGRADABLE PRODUCT



Actual demo of Bioguard wood





CORETECH INDUSTRIAL SOLUTIONS

Jar Cellulose New Generation Protective Coatings based on Nano technology

International Test Results for Bioguard Wood




Valued Quality. Delivered.

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Report No. : MUM/375/2015
Report Date: 18.02.2015

Sample Received Date: 10.02.2015

Mrs. JAR CELLULOSE & COATINGS,
No. 27, Royal Park, Navre Nagar,
Ambernath (E)
Dist - Thane Maharashtra

For the Attention of : Mr. Jagannath Nar

Sample(s) received from : JAR CELLULOSE & COATINGS

Sample(s) submitted as : Bio guard wood

Description(s) on Label(s) : As Attached

Seals on Sample(s) : None

The above sample(s) was/were examined as detailed below and the following results obtained.

Please refer attached sheet for analytical results.

LAB01

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Test result

Based on the experiment conducted in the laboratory as per the OECD 203 limit test on the sample (Bio guard wood) and is tested for acute toxicity to fish, Guppy (*Poecilia reticulata*) in a 96-hour limit test, the material displayed no acute toxicity to Guppy. Therefore, the sample is considered non-toxic to aquatic organisms on an acute basis (LC50 >100 mg/L) and based on the result, the sample (Bio guard wood) use as a protective coating for wood is considered eco-friendly/green/toxic metal free.

Dr. Harsh D. Jadia
Environment Scientist

Note: This report relates specifically to the sample(s) that were drawn and / or provided by the client or their nominated third party solely for testing. The reported results provide no warranty or verification on the sample(s) representing any specific goods and / or origin and only relate to the sample(s) as received and tested. This report was prepared solely for the use of the client named in this report. Intertek disclaims any and all liability for damage or injury which results in the use of the information contained herein and accepts no responsibility for any loss, damage or liability suffered by a third party as a result of any reliance upon or use of this report.

LAB02

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Test Results:

In the present test, the sample (Bio guard wood) from Jar Cellulose and Coating Pvt.Ltd. was evaluated for biodegradation. In 28 days, the sample (Bio guard wood) demonstrated >70% biodegradability. The test sample demonstrated readily biodegradability as per the OECD 301B test. The sample (Bio guard wood) contains biodegradable ingredients. The metals analysis of Bio guard wood showed the insignificant presence (< 1 ppm) of heavy metals and presence of nutrients (Table 2). The residue of Bio guard wood sample collected after biodegradation shows different types of microbes i.e. Bacteria, Protozoa, Metazoa & Filamentous bacteria (Figure 8). Based on test conducted, the submitted sample (Bio guard wood) found to be biodegradable/eco-friendly/green/toxic metal free.

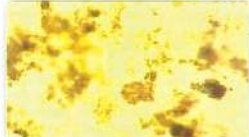



Figure 8: Residual sample collected after biodegradation of Sample (Bio Guard Wood)

Dr. Harsh D. Jadia
Environment Scientist

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LAB04

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