Universitat Autònoma de Barcelona

Departament de Ciència Animal i dels Aliments

Research Grup Microbiological Analysis of Surfaces and Evaluation of Biofilms (AMicS)

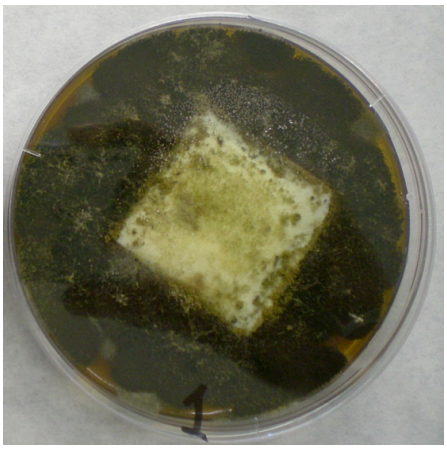
INTERNATIONAL STANDARD ISO-846:1997
Plastics - Evaluation of the action of microorganisms

Innova Chemical SL.

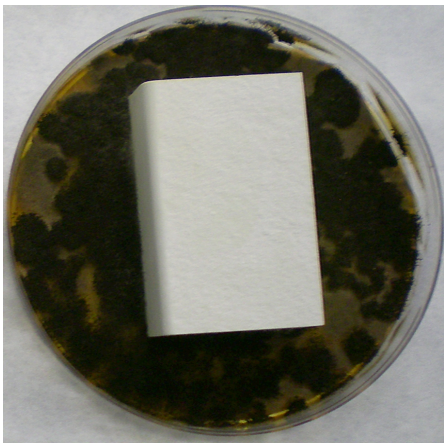
Test report

1.	**Date of commencement of the experiments**		2/10/18	
2.	**Date of the test report**		30/10/18	
3.	**Type of material used:**	**Product**	**Name**	**Reference**
a.	Test specimens:		Varnish PU	PU
b.	Size of test specimens:	50x50	mm	
c.	Shape of test specimens:	2500	mm^2	
d.	Thickness of the test specimens:	12	mm	
4.	**Test method:**			
A.	Resistance of plastics to fungi:	No		
B.	Fungistatic effects:	Yes	B	
C.	Resistance to bacteria:	No		
D.	Resistance to soil microorganisms:	No		
*	Microbicidal solution used:	None		
*	Number of determinations:	5		
*	Physical properties measured / results:	None	None	
5.	**Microorganisms:**			
a.	Mould 1:	*Aspergillus niger* ATCC 6275		
	Mould 2:	*Paecilomyces variotii CECT 20213*		
	Mould 3:	*Gliocadium virens CECT 2460*		
	Mould 4:	*Chaetomium globosum CECT 2701*		
b.	Incubation temperature	30°C		
c.	Incubation time	28	days	
6.	**Volume of test inoculum used:**	0,1	ml	

7. Number of viable moulds in the test inoculum: 5,00 log(ufc/0,1ml)



Unadditived control sample


Additived sample

8. Values:

a. PU Varnish Innova Chemical

	Batch I	Batch S
i. Result mould 1 to 4:	0	0

b. **Cleaning procedure:** Washing with sterile deionised water and drying in an incubator at 55 °C.

c. **Conclusions:**

* No growth apparent under the microscope.
* Strong fungistatic effect.

Dr. José Juan Rodríguez Jerez
Profesor Titular

Bellaterra (Cerdanyola del Vallès), 30/10/18

Notes: The results obtained reflect, exclusively, the antibacterial properties of the analyzed samples and lots, and may not be extrapolated to other products or materials.