

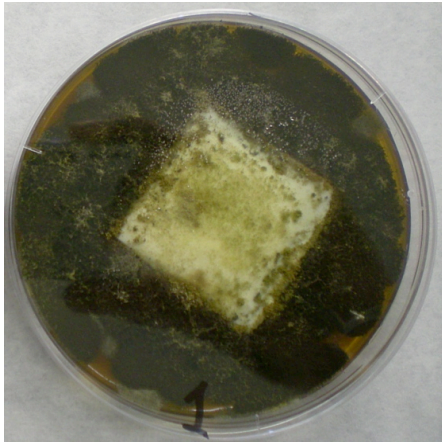
INTERNATIONAL STANDARD ISO-846:1997
Plastics - Evaluation of the action of microorganisms

CimentArt Microcement SL.

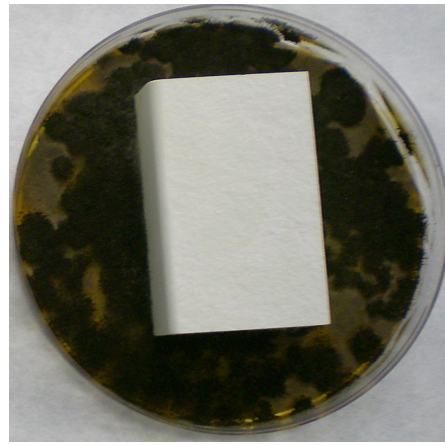
Test report

- | | | | |
|-----------|--|---|------------------|
| 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 |
| a. | Test specimens: | | Varnish
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: | | Reference |
| 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: | <i>Aspergillus niger</i> ATCC 6275 | |
| | Mould 2: | <i>Paecilomyces variotii</i> CECT 20213 | |
| | Mould 3: | <i>Gliocadium virens</i> CECT 2460 | |
| | Mould 4: | <i>Chaetomium globosum</i> 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 Cimentart
i. Result mould 1 to 4:

Batch I	Batch S
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.

A handwritten signature in blue ink, appearing to read 'J. J. Rodríguez Jerez'.

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.