

**REPORT 368/L DATE 07.10.2020**

Laboratory	GFC Chimica S.r.l. Viale Marconi, 73 44122 Ferrara
Customer	START&UP INVESTMENTS S.R.L. VIA TRE SETTEMBRE, 154 47899 DOGANA (RSM)
Samples identification <sup>1</sup>	02092001 – EASYSTOONE CONSOLIDATE
Samples description	Waterborne paint
Date of receiving	02.09.2020
Analysis beginning (date)	03.09.2020
Analysis end (date)	07.10.2020

## 1 Introduction

GFC Chimica has examined, by order of START&UP INVESTMENTS S.R.L. di Dogana (RSM), herein called as the customer, a sample identified and described as reported in the table above.

As stated between the parties, GFC Chimica's laboratory has assessed the coating in order to determinate the resistance against fungal growth (method UNI EN 15457:2014).

The sample was consigned to the laboratory by the customer.

## 2 Results

### 2.1 *Determination of the resistance against fungal growth*

The sample was applied on special substrates of fiber glass paper, then dried in a climatic chamber at  $T=23\pm 2^{\circ}$  C and  $RH=50\pm 5\%$  for 7 days. The specimens were sterilized with UV irradiation for 24 hours and stored, separately, with the painted surface facing upwards, in Petri dishes containing Malt Agar as a culture medium. After the preparation, the specimens were inoculated with a suspension of *Aspergillus niger*, *Cladosporium cladosporoides*, *Alternaria alternata*, *Penicillium purpurogenum* ( $10^6$  cells/mL). Three replicates were performed.

Petri dishes were placed to incubate at  $T=24\pm 2^{\circ}$  C for a period of 21 days after inoculation. After this period fungal development was observed.

The result is shown in the following table:

Intensity of fungal growth
0



<sup>1</sup>The code 02092001 is an internal one of GFC Chimica used to mark the sample.  
REPORT 368/L date 07.10.2020

Rating scale (see method UNI EN 15457:2014):

0 = no growth on the surface of the specimen

1 =  $\leq 10\%$  of coated surface is covered by fungi

2 = greater than 10% and less than 30% of coated surface is covered by fungi

3 = greater than 30% but less than 50% of coated surface is covered by fungi

4 =  $> 50\%$  up to 100% of coated surface is covered by fungi

Specified value  $< 4$  = suitable

The test is positive because there is no growth on the surface of the specimen.



GFC Chimica Srl  
L'Analista  
Ing. Cristina Pocaterra

GFC Chimica Srl  
Il Responsabile di laboratorio  
Dr. Arlen Ferrari

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END OF THE REPORT

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