

## REPORT 344/L DATE 16.09.2020

Laboratory	GFC Chimica Srl Laboratorio Chimico Viale Marconi, 73 44122 Ferrara
Customer	START&UP INVESTMENTS S.R.L. VIA TRE SETTEMBRE, 154 47899 DOGANA (RSM)
Sample identification <sup>1</sup>	05062001 – EASYSTOONE CONSOLIDATE
Description of the sample	Coating
Samples receiving (date)	05.06.2020
Analysis beginning (date)	03.09.2020
Analysis end (date)	16.09.2020

### 1 Introduction

It was tested, on behalf of the company START&UP INVESTMENTS S.R.L. di Dogana (RSM), hereinafter referred to as the customer, a sample of a coating identified and described as reported in the table above.

As agreed with the customer the coating was assessed in order to determinate the chromatic change (DE) after UV ageing. The measurements have been carried out using UV-Vis spectrophotometer mod. SP 64 by XRite as described in paragraph 2. The specimens have been irradiated<sup>2</sup> with UV lamps for 200 hours according with method UNI EN 1062-11:2003.

Products sampling was performed by the customer.

### 2 Results

#### 2.1 Determination of chromatic change after UV ageing

The sample was applied on a cement fiber substrate and dried for 7 days at  $T = 23 \pm 2$  °C and  $RH = 50 \pm 5\%$ . After the treatment the aging accelerated test was carried out. The instrument used is the QUV/basic (by QPanel) equipped with UVA 340 nm lamps.

The program of aging is constituted as following:

- 4 hours of irradiation (lamps turn on) at  $T = 60$ °C,
- 4 hours of condense (lamps turn off) at  $T = 50$ °C.

Total duration of the cycle: 200 hours.

<sup>1</sup> The code 05062001 is an internal one of GFC Chimica used to mark the sample during the tests.

<sup>2</sup> See report 316/L date 25.08.2020 for UV ageing  
Report 344/L date 16.09.2020



After the UV exposure the samples have been examined with the human eyes and the chromatic measurements (UV-Vis) has been carried out.

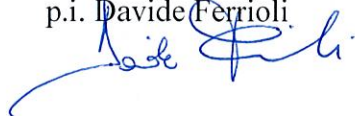
The result is the following:

Chromatic change (DE)	Note
3.35	a light whitening is observed

GFC Chimica Srl

L'Analista

p.i. Davide Ferrioli



GFC Chimica Srl

Il Responsabile di laboratorio

Dr. Arlen Ferrari



This document is formed by two sheets. It can be copied by customer only in unabridged version without omissions, alterations or additions. It reports results of test referred only to the examined sample.

END OF THE REPORT

---