

REPORT 164/L DATE 22.04.2024

Laboratory	GFC - Chimica S.r.l. Laboratorio Chimico Viale Marconi, 73 44122 Ferrara
Customer	RESINA COLOR Via Mastricale ZI 70017 Putignano (BA)
Samples identification	27022401 – GRANIGLIATO EXTRA
Samples description	Thickeness coating
Date of receiving	27.02.2024
Analysis beginning (date)	28.02.2024
Analysis end (date)	22.04.2024
Contact	Sig. Pasquale Semeraro

1 Introduction

GFC Chimica has examined a sample by order of RESINA COLOR. The sample is identified and described as reported in the table above.

As stated between the parties, GFC Chimica's laboratory has assessed the sample to determinate the UV ageing (EN 1062-11). *The method is intended in the currently valid revision.*

The product sampling was carried out by the customer.

2 Results

2.1 UV ageing

The test has carried out applying the sample with spatula on fibercement substrate (size 150x75x50 mm). At the end of the application the sample has dried for 7 days a $T = 23 \pm 2$ °C and $HR = 50 \pm 5\%$ then tested in accelerated aging with prolonged exposure to UV radiation (1000 hours). The test was carried out according with the method UNI EN 1062-11 with the following aging cycle:

- a) 4 hours of irradiation (UVA-340) at $T = 60$ °C,
- b) 4 hours of water in condense at $T = 50$ °C.

At the end of the exposure period the specimens were assessed by evaluating:

- i. blistering (EN ISO 4628-2),
- ii. cracking (EN ISO 4628-4),
- iii. flaking (EN ISO 4628-5),
- iv. chalking (EN ISO 4628-6)
- v. chromatic change (DE - CIELab; method ISO 11664-1-4)

Description	Result
Blistering (EN ISO 4628-2)	0
Cracking (EN ISO 4628-4)	0



Flaking (EN ISO 4628-5)	0
Chalking (EN ISO 4628-6)	0
Differenza di Colore (ΔE)	2,96*

Rating scale: 0= best result, i.e. no degradation; 5=worst result

*The value of ΔE measured with a spectrophotometer is influenced by the roughness of the surface. A slight yellowing is observed in the exposure area.

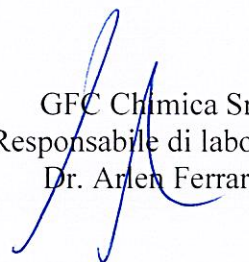
The product has demonstrated an excellent resistance to UV radiation without damage (no blistering, no cracking, no flaking, no chalking).

A slight chromatic variation (slight yellowing) is observed in the exposure area.

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
