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Bellaterra	:	29th May 2024
Report number	:	24/32303706M1
Petitioner Reference	:	KRYPTON CHEMICAL, S.L.
		C/ Martí Franques, 12
		43890 Hospitalet de l'Infant (Tarragona)

TEST REPORT

RECEIVED MATERIAL:

This tests report is traceable to our report number n^o. 22/32302033 dated on 20th April 2022. The new reference of the product according to the petitioner is:

Krypton ProLine CH55

REQUESTED TESTS:

PRODUCTS AND SYSTEMS FOR THE PROTECTION AND REPAIR OF CONCRETE STRUCTURES. Definitions, requirements, quality control and evaluation of conformity. UNE-EN 1504-2:2005 Part 2: Surface protection systems for concrete.

1- Determination of carbon dioxide permeability, UNE-EN 1062-6:2003

TEST DATE: From 14/03/2022 to 19/04/2022

RESULTS : See attached pages.

Responsible for Construction Materials	Technical Manager
LGAI Technological Center S.A.	LGAI Technological Center S.A.

The results included in this document refer exclusively to the indicated materials and has been tested according to the specifications given. The present report supersedes the test report number 24/32303706 dated on 30th April 2024. It is responsibility of the client to replace the original and all the copies.

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Page 1 – The present document consists of **2** pages long, whereof **0** are appendixes

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KRYPTON C	HEMICAL, S.L.	Krypton ProLine CH55

RESULTS:

1- Determination of carbon dioxide permeability, UNE-EN 1062-6:2003

- Three cylindrical test specimens have been prepared, approximate surface=0,0079 m^2 (100 mm diameter), to test with the substrate.

- After curing for 7 days in laboratory conditions, the test specimens undergo (according to Standard EN 1062-11;Sec.4.3) 3 water immersion and drying cycles.

- Finally, when the specimens reach constant mass (dessicator), the test will begin.
- Measuring gas: 10% carbon dioxide.
- Carbon dioxide absorber used: granulated sodium hydroxide for elemental analysis.
- Partial pressure difference: 10kPa (100 mbar).

Specimen	Thickness (mm)	Carbon dioxide permeability (i) (g/m ^{2.} d)	Diffusion equivalent air layer thickness S _D (m)	Diffusion resistance number (µ)		
1	1,25	3,9	63	50578		
2	1,43	3,4	73	51353		
3	1,26	4,0	62	49520		
Average	1,31	3,8	66	50484		
Requirements according to UNE-EN 1504-2:2005 Table 5						
Permeability to CO_2			Sd > 50 m			

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Within our improvement program we would be grateful if you would send us any commentary that you consider opportune, to the person in charge who signs this document, or to the Quality Manager of Applus+, in the following e-mail address: satisfaccion.cliente@applus.com