



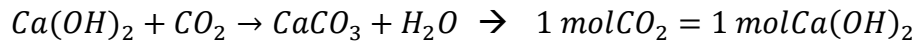
In Seville, on the 2 of March of 2020

Industria Española para el Desarrollo e Investigación 2100, S.A. (IEDISA)

Polígono. Ind. Poliviso, St. Carpinteros, 25
41520 El Viso del Alcor, Seville, Spain.

Manufacturer Declaration

D. Antonio León Jiménez with ID 44954686Y acting in the name of the society Industria Española para el Desarrollo e Investigación 2100, S.A. with CIF A91854877 declares that *Graphenstone®* products lime-based absorb carbon dioxide (CO₂) during its drying process due to the following stoichiometric reaction:



Below is described absorption of CO₂ in kilograms for a volume of 1L:

TRADENAME CO₂ABSORPTION

| | |
|------------|---------|
| Eco2 White | 0.26 kg |
| Eco2 Color | 0.1 kg |

Unlike ordinary paints, once painted Graphenstone® onto your wall, absorbs carbon dioxide to partially offset the overall lifetime impact of the paint.

**INDUSTRIA ESPAÑOLA PARA EL
DESARROLLO E INVESTIGACIÓN 2100 S.A.**
CIF: A-91854877
C/ Panderos, 7
41520 El Viso del Alcor (Sevilla)

D. ANTONIO LEÓN JIMÉNEZ

En representación de:

**INDUSTRIA ESPAÑOLA PARA
EL DESARROLLO E INVESTIGACION 2100 S.A.**
CIF A91854877



ANNEX I: CALCULATION OF CO₂ ABSORPTION

Calculation of grams of Ca(OH)₂:

$$g \text{ Ca(OH)}_2 = \% \text{ Ca(OH)}_2 \cdot \rho \cdot V$$

where:

g Ca(OH)₂: weight of Ca(OH)₂ in a specific volume.

% Ca(OH)₂: percentage of pure Ca(OH)₂ of the product.

ρ: specific weight of Ca(OH)₂.

V: packaging volume.

Calculation of CO₂ absorption:

$$1 \text{ mol CO}_2 = 1 \text{ mol Ca(OH)}_2 \rightarrow \frac{g \text{ Ca(OH)}_2}{Pm(\text{Ca(OH)}_2)} = \text{mol Ca(OH)}_2 = \text{mol CO}_2$$

$$\text{mol} \cdot Pm(\text{CO}_2) = g \text{ CO}_2$$

where:

Pm (Ca(OH)₂): molecular weight of Ca(OH)₂, 74 g/mol.

Pm (CO₂): molecular weight of CO₂, 44 g/mol.

ANNEX II: QUALITATIVE TEST

The image shows that effectively CO₂ is absorbed during the drying of the paint in qualitative way.

Notes: quantitative results are not representative in the absence of a standardized standard.



Wet Painted
Glass Plate
Inside

Reduction from 512
ppm to 374 ppm
27% absorption
seen



NOTES: ENVIRONMENTAL CLAIMS

- 3 buckets of 15 litres absorb the same CO₂ than one tree of 250 kg for 1 year of growth.
- CO₂ absorption property of the paint is referred to the use phase of the paint.
- Claim is only based to the CO₂ absorption and no other properties of the tree.

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