

CERTIFICATIONS

GRAPHENSTONE

THE ORIGINAL & AUTHENTIC



Graphenstone certifications

Taking care of you and our environment



Quality and certifications

- Production of natural materials
- Most ecological alternative in the market
- Contribution for the construction sector
- The most certified green paint company
- Total transparency



<https://graphenstone.com/graphenstone-global-certifications.html>

Graphenstone certifications

Taking care of you and our environment



Integral Management System

Environmental Management System Certificate

Quality Management System Certificate



Graphenstone certifications

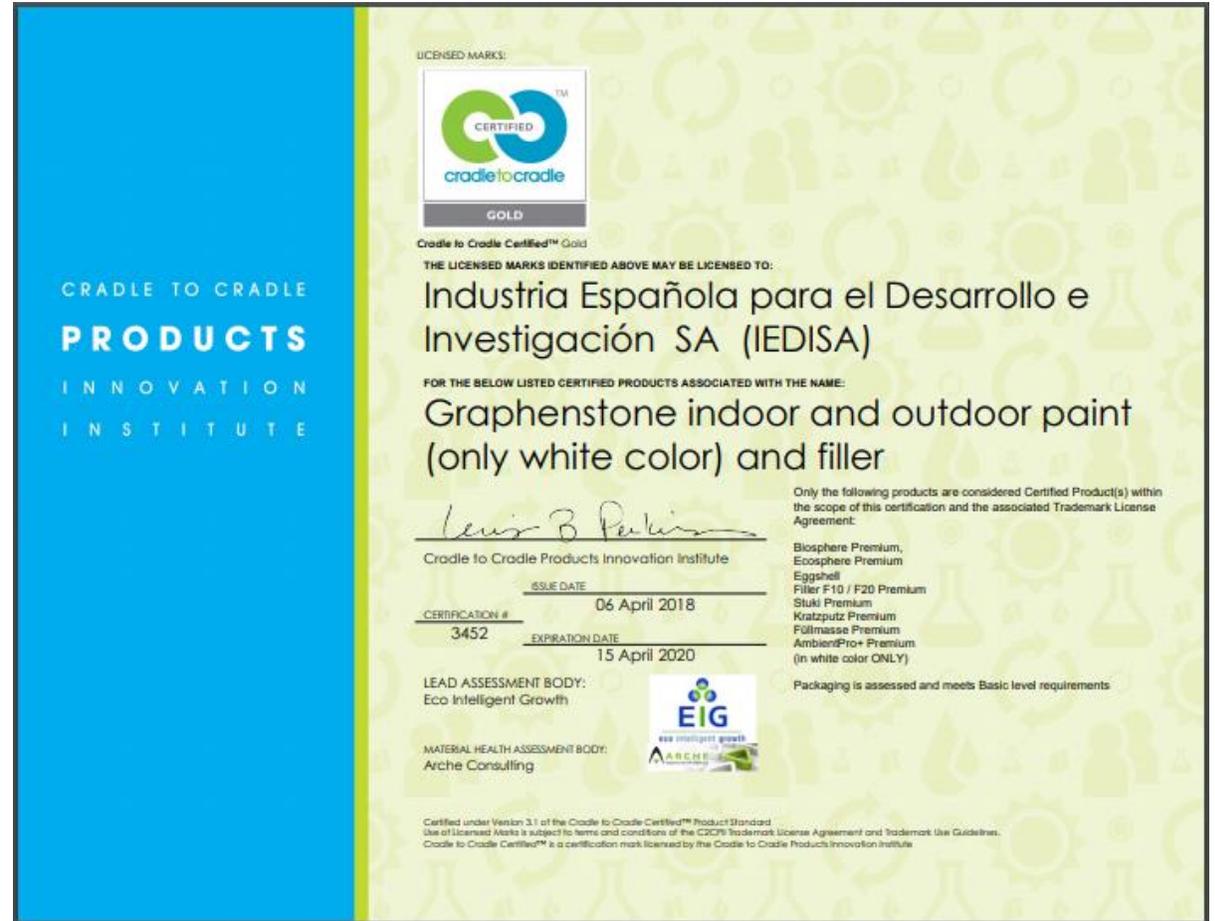
Taking care of you and our environment



Product Life Cycle Impact

Cradle to Cradle GOLD

International certification that analyses the entire product life cycle: material health, material reuse, renewable energy and carbon management, water management and social equity.



Graphenstone certifications

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Cradle to Cradle GOLD



Cradle to Cradle Certified Product Scorecard	
MATERIAL HEALTH	Gold
MATERIAL REUTILIZATION	Gold
RENEWABLE ENERGY & CARBON MANAGEMENT	Gold
WATER STEWARDSHIP	Platinum
SOCIAL FAIRNESS	Gold
OVERALL CERTIFICATION LEVEL	Gold



MINIMIZE

GRAPHENSTONE complies with Reuse, Reduce and Recycle philosophy.

RETHINK

GRAPHENSTONE use materials effectively.

"Graphenstone eliminates any concept of waste and becomes a product with a green life cycle."

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Cradle to Cradle GOLD



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Product optimization

Environmental Product Declaration

Internationally certified statement that assesses the environmental impact throughout the product's life cycle, in accordance with the international standard ISO 14025.

S-P-01050 EPD®
environdec.com



DECLARACION AMBIENTAL DE PRODUCTO
GRAPHENSTONE®
PINTURA NATURAL

GRAPHENSTONE® ECOSPHERE PREMIUM DE IEDISA

EPD®
ENVIRONMENTAL PRODUCT DECLARATION

Nº de registro EPD: S-P-01050
Fecha de publicación: 21/06/2017
Alcance de la EPD: Internacional
EPD realizada en base a la PCR: 2012-01 Construction products and construction services v 2.2

Válida hasta: 31/05/2022
Fecha de revisión: 01/12/2017
Código UN CPC 3511

www.graphenstone.com

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Environmental Product Declaration

S-P-01050 EPD®
environdec.com

Raw material	Percentage
Calcium hydroxide	[40-70] %
Water	[10-30] %
Calcium carbonate	[5-20] %
Additives	[1-5] %

Table 1. Raw material.

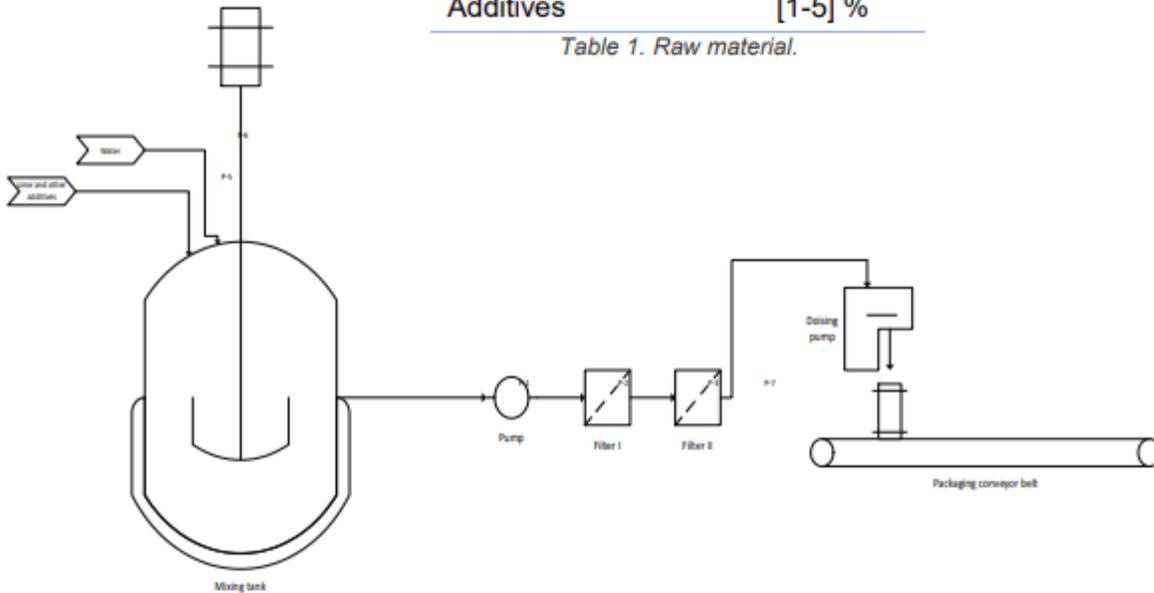


Figure 1. Manufacturing process.

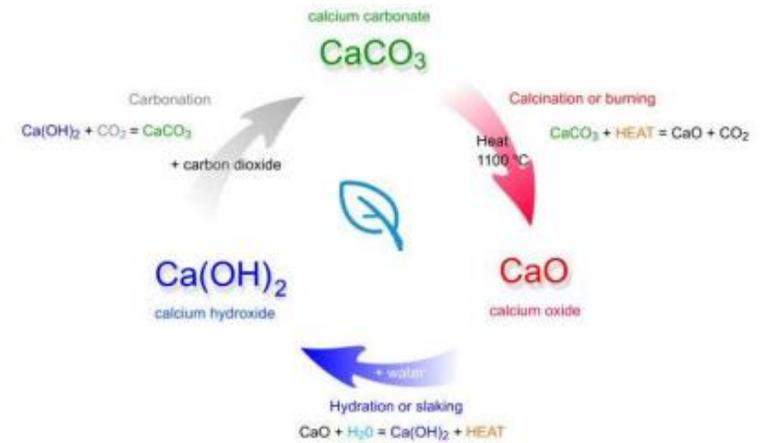


Figure 4 Cycle of Calcium carbonate-Calcium oxide-Calcium hydroxide.

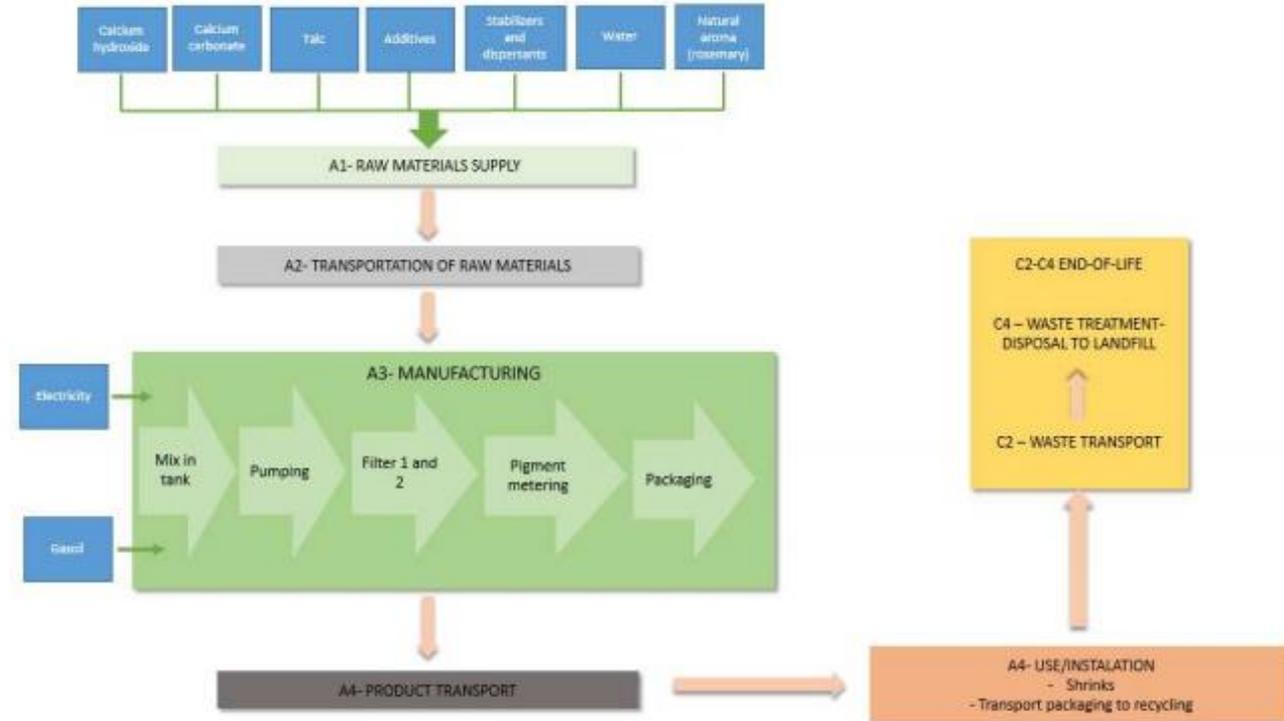


Figure 3. System boundaries and description of main processes.

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Environmental Product Declaration

S-P-01050 EPD®
environdec.com



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Low environmental impact materials

Global Green Tag LEVEL A

International certification that analyses the environmental impact throughout the entire product life cycle (also in terms of incorporated carbon).



GREEN TAG CERTIFIED GreenRate | Level A

IEdiSA

Pol. Ind. Pabellón Guzmán, 20, 41013 St. Pablo del Río, Sevilla, Spain

This is to Certify that the following Product/s have been found in conformance with the Global GreenTag^{CERT}™ Scheme Standard for the Tier and Level noted herein:

Graphenstone® Mineral Paints & Primers

Ecosphere Premium	Biosphere Premium
GCS Interior Premium	GCS Exterior Premium
Filler F10 Premium	Filler F20 Premium
Stuki Premium	Ambient Pro+ Premium
Füllmasse Premium	Kratzputz Premium

GreenRate Level A

GreenStar® 'Design and As Built v1.1' and 'Interiors v1.1' Rating Tools Credits:
Sustainable Products, Indoor Pollutants

GreenStar® 'Performance v1.1' Rating Tool Credit:
Procurement and Purchasing; Refurbishment Materials

Licensed Sites:
Sevilla, Spain
Licence No.:
GRA-001-v1-2017
Licence Date:
3 October 2017
Latest Revision Date:
3 October 2017
Valid to:
3 October 2018
GreenTag^{CERT}™ Standard:
Standard Version 4.0

GREEN TAG
trust brands
www.globalgreentag.com

Global GreenTag Pty Ltd operates the Global GreenTagTM Product Certification program under licence.

GLOBAL GREEN TAG
green product certification
trust brands

Conditions of Licence

The conditions of licence are contained in full in the Ecospecifier Global GreenTag^{CERT}™ Standard, Terms and Conditions, and Rules for the Use of the Mark Documents as sighted and/or executed by the Licensee.

In summary it is the responsibility of the licensee in particular to:

1. always comply with the relevant provisions of the GreenTag certification program;
2. make all necessary arrangements for the conduct of the future evaluation, including provision for examining documentation and access to all areas, records (including internal audit reports) and personnel for the purpose of evaluation (e.g. testing, inspection, assessment, surveillance, reassessment) and resolution of complaints;
3. make claims regarding certification only in respect of the scope for which certification has been granted;
4. not use its product certification in such a manner as to bring the GreenTag into disrepute and not make any statement regarding its product certification which the certification body may consider misleading or unsubstantiated;
5. upon suspension or cancellation of certification, discontinue its use of all advertising matter that contains any reference thereto and return any certification documents as required by GreenTag;
6. use certification only to indicate that products are certified as being in conformity with specified GreenTag standards;
7. endeavour to ensure that no certificate or report nor any part thereof is used in a misleading manner;
8. make comment or inclusion solely in accordance with license requirements in making reference to its product certification in communication media such as online, email, documents, brochures or advertising;
9. inform GreenTag of any change in the Certified product or manufacturing process that is likely to significantly affect the product's design or specification, or changes in the ownership, structure or management of the Licensee, if relevant, or any other information that indicates the product may no longer comply with the requirements of the Standard;
10. In the event of GreenTag determining changes have been made to product or supplier details and not notified to GreenTag, the Licensee will, on receipt of a GreenTag 'Notice to Rectify', immediately provide GreenTag with the required details and any fees necessary to allow re-certification. Failure to do so may result in the withdrawal of the Licence. If the product Licence is withdrawn, the Licensee must, within 7 days, cease to further promote all product marketing, packaging, advertising or other material carrying the logo. Furthermore all material carrying the Certification Mark(s) must be withdrawn within 90 days.

Revision date	Certificate number	Notes
3 October 2017	GRA-001-v1-2017	Initial Certification

David Baggs
Chief Executive Officer
Global GreenTagTM Program Director

www.globalgreentag.com

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Global Green Tag LEVEL A



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Comfort and quality of indoor environment

Eurofins Indoor Air Comfort Gold



A quality certificate that contributes to healthy indoor environments. It combines the most relevant VOC emission requirements and specifications in Europe: Belgian regulation, VOC Class A+ France, AgBB/ABG Germany, BREEAM international, BREEAM NOR, BREEAM NL, LEED, WELL Building, SKA Rating, HQE French certification, GPP Italian regulation, BVB Sweden, M1, Danish Indoor Climate Label, Singapore Green Label, GreenTag Australia.



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Eurofins Indoor Air Comfort Gold



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Materials free of VOC emissions and formaldehyde

Class A+, AgBB, M1, F☆☆☆☆

Tests on emissions and VOC content are carried out by external laboratories that comply with the strictest international standards.



Produktprüfung Product testing
Zertifizierung certification
Beratung consulting

eco
INSTITUT

IEdiSA, SA
Polg Ind Polviso.
C/Herrerros, 8, 41520
EL VISO DEL ALCOR, Sevilla
Spain

Test Report No. 50457-001 (II)
VOC decree France

Client: IEdiSA, SA
Sample description by client: Graphenstone Pintura Interior

Sampling by: Client
Date of arrival of sample: 15.07.2015
Date of report: 09.09.2015
Number of pages of report: 13
Testing parameter: see table of contents
Testing laboratory: eco-INSTITUT Germany GmbH, Cologne

eco-INSTITUT Germany GmbH / Schwanenstraße 4-30 / Carlswilhelms-Platz 5.2 / D-51063 Köln / Germany
Tel: +49 221 931245-0 / Fax: +49 221 931245-31 / e-mail: info@eco-institut.de / Geschäftsführer: Dr. Frank Radtke
ISSN 17517 / USt-Id. Nr. 123653388 / Registerkammer Heilbronn-Holz, BWA 2866370623451701900010, BIC: 620202101111

DAKS
DEUTSCHE ANSTALT FÜR QUALITÄTSSICHERUNG

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www.tecnalia.com

INFORME No.: 068436-1

CLIENTE: INDUSTRIA ESPAÑOLA PARA EL DES E INV, S.A.
PERSONA DE CONTACTO: Patricia Silva
DIRECCIÓN: Pol. Ind. Polviso, C/ Herrerros, 84
41520 EL VISO DEL ALCOR (Sevilla)
OBJETO: "Emission test according to the California Department of Public Health (CDPH) Standard Method v1.1-2010 (CA 01350)"
MUESTRA ENSAYADA: Ecosphere Premium
FECHA DE RECEPCION: 05.07.2017
FECHAS DE ENSAYO: 11.07.2017 a 05.09.2017
FECHA DE EMISIÓN: 14.09.2017

tecnalia Inspiring Business
Firmado digitalmente por: BLANCA ESTHER RUIZ DE GAUNA REY
Fecha y hora: 14.09.2017 14:45:21

Blanca Ruiz de Gauna
Jefe Laboratorio de Caracterización de Materiales de Construcción
División Servicios Tecnológicos

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TECNALIA RESEARCH & INNOVATION
Area: Madrid, S.
C/ Príncipe Felipe (Gijón) 10
T 910 760 000
F +34 916 430 600 (solo telefonos satel.)

Madrid Social / Madrid partem
Parque Científico y Tecnológico de Gijón
Industria (Gijón) S.A.
C/ Príncipe Felipe 10, 49100 Gijón (España)

Nº DE INFORME: 06843-1
PÁG. 11 de 11

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Product Health

International certifications that analyze product health: **Cradle to Cradle Material Health GOLD** and **Global Green Tag. Health Rate PLATINUM**. Materials recommended for people with health problems, respiratory problems, asthma and allergies; and users who intend to breathe cleaner, fresher air. **Sensitive Choice** International Community Service Program.



CRADLE TO CRADLE
PRODUCTS
INNOVATION
INSTITUTE

Material Health

GOLD

Graphenstone indoor and outdoor paint (only white color) and filler

ISSUED TO Industria Española para el Desarrollo e Investigación SA (IEDISA)

STANDARD 3.1 **EXPIRES** 15 April 2020

LEAD ASSESSMENT BODY **MATERIAL HEALTH ASSESSMENT BODY**
Eco Intelligent Growth Arche Consulting

ASSESSED APPLICATIONS
Manufacturing: Mixing; Filling
Use: Application by professionals; Paint for indoor and outdoor use

PRODUCTS COVERED
Biosphere Premium,
Ecosphere Premium
Eggsheil
Filler F10 / F20 Premium
Stuki Premium

PRODUCT OPTIMIZATION SUMMARY

- Cradle to Cradle Certified™ Banned List compliant
- Material Health optimization strategy not required
- No exposure to carcinogens, mutagens, or reproductive toxicants
- Meets VOC emissions testing requirements
- Product is fully optimized - does not contain any GREY or x-assessed chemicals
- Process chemicals have been identified and none are GREY or x-assessed

PERCENTAGE OF CHEMICAL SUBSTANCES ASSESSED BY WEIGHT	ASSESSMENT RATINGS BY WEIGHT	PRODUCT OPTIMIZATION
100%	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>a or b: 0%</p> </div> <div style="text-align: center;"> <p>c: 100%</p> </div> </div> <p style="font-size: 0.8em;">x: 0% GREY: 0%</p> <p style="font-size: 0.8em;">% CHEMICAL SUBSTANCES</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>15</p> </div> <div style="text-align: center;"> <p>a or b c x GREY</p> </div> </div> <p style="font-size: 0.8em;">15 CHEMICAL SUBSTANCES</p>
Inventory threshold for chemicals in each material = 100 ppm		

B16103452

GLOBAL GREEN TAG INTERNATIONAL

GLOBAL GREEN TAG
HEALTH RATE

Platinum
HEALTH
trust brands™

PhD
Product Health Declaration

IEDISA
Graphenstone® Mineral Paints & Primers

Graphenstone® Mineral Paints and Primers are lime based interior and exterior paints containing graphene reinforcement. The paints and primers reduce condensation and have anti-bacterial and anti-mould properties. The lime used in the paints and primers is manufactured using acidic furnaces, using biomass as energy.

Products/Ranges: Mineral Paints & Primers
Product Stages Assessed: Raw materials, manufacturing, in use
CSI Masterformat: 00 01 10 Interior Finishes, 00 01 00 Interior Painting, 00 01 00 Exterior Finishes, 00 01 00 Environmental Coatings, 00 01 00 Coatings and Membrane Coatings

Licensed Site: GRA-001-v3-2017-PHD
License Number: 3 October 2017
Valid To: 3 October 2020
Standard: GGT International v4.0
Screening Date: 11 July 2017
PHD URL: www.globalgreentag.com

This PhD assesses conformity when original GreenTag GreenRate/CARate certification expires or is revoked. Please check www.globalgreentag.com for currency. info@globalgreentag.com

PhD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- GreenTag Business Unit Compliant
- Meets Indoor Air Quality VOC emission requirements, for Green Star
- Contributes towards reducing Particles 10 VOC Reduction Part 1 Interior Paints and Coatings, Part 26 Enhanced Material Safety Part 1
- Contributes towards reducing Particles 10 VOC Reduction Part 1 Interior Finishes, under the WELL Building Standard™ v1.0
- Contributes towards reducing Part 11 Short-Term Emission Control Part 1 Manage Product Emissions, 11.0 Enhanced Material Production Part 1 Select Certified Materials, 11.4 Material Transparency Part 1 Provide Ingredient Disclosure, under the WELL Building Standard™ v2.0
- No worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- No user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- No environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT & IN-USE HEALTH, % by mass:

ASSESSMENT	0%	25%	50%	75%	100%
INGREDIENT HAZARD DISCLOSURE	100%				
RISK ASSESSMENT	100%				
IN-USE HEALTH	100%				

Declared by:
Global GreenTag
International Pty Ltd

David Rappin
CEO & Program Director
Global GreenTag
100 Havelock St
Melbourne VIC 3000

Product Name: Mineral Paints, PhD 106

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Product Health



Graphenstone certifications

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Ecological and sustainable label

Ecolabel

Certification that the product complies with the strict sustainable criteria defined at European level, and the guarantee that the product complies with the maximum sustainable requirements.



Legal notice | Cookies | Contact | English (en)

EUROPEAN COMMISSION

European Commission > Environment > Ecolabel Catalogue

Tourist Accomodation Catalogue

EU Ecolabel Do-It-Yourself / Indoor and outdoor paints and varnishes

Ecosphere Product White

Licence No.: ES-AN/044/00001

Country: Spain

Company: Industria Española para el Desarrollo e Investigación 2100, S.A.

Address: Herreros 8, 41520 El Viso del Alcor

Phone: 955 292 068

Website: <http://www.graphenstone.com>

Product description

Ecosphere Premium White es una pintura natural y mineral con tecnología de grafeno para interiores. Ideal para decorar interiores con criterios de biohabitabilidad y sostenibilidad ambiental, creando un acabado enteramente mineral. De aplicación en construcción, restauración y repintados. Crea ambientes más sanos en su hogar, garantizando la transpirabilidad y salubridad de la edificación. Producto y producción sostenible según los criterios Cradle to Cradle Certified(TM).

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Ecolabel



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CE Marking and Declaration of Performance

Award of EC Certificate No. 1170 / CPR / ER.0311 demonstrates the consistency of the Quality Management System implemented for the Biosphere Premium and GrafClean Premium products according to the standard EN 1504-2 for use in humidity control for the surface protection of concrete. This certification ensures the maintenance of the declared performances of products.

Biosphere Premium

D&P Nº 17.004

Organismo Notificado Nº 1170
EN 1504-2

Productos para protección superficial
Revestimiento control de la humedad
Sistema (2) 4

Características Principales	Prestación	Especificaciones Técnicas Normalizadas
Adhesión mediante ensayo de ensacamiento	≥2 N/mm ²	UNE-EN 1504-2
Permeabilidad al vapor de agua (Clase I)		UNE-EN 1504-2
Permeabilidad al agua líquida (< 0.10 kg/m ² ·min)		UNE-EN 1504-2
Comportamiento al fuego	A1	UNE-EN 1504-2

Fabricado por:
IEDSA, S.A. - 891854877 / Pol. Poliviso, Carpiñeros, 25. Vía del Alcor, Sevilla - España (Spain) - T: (+34) 955 529 435
info@graphenstone.com / www.graphenstone.com

Biosphere Premium

D&P Nº 17.004

Notified Organism Nº 1170
EN 1504-2

Surface protection system for concrete.
Moisture control.
System (2) 4

Technical properties	Performance	Normalized Technical Specifications
Bond strength by pull-off	≥2 N/mm ²	UNE-EN 1504-2
Water vapor permeability (Class I)		UNE-EN 1504-2
Capillary absorption and liquid water permeability	< 0.10 kg/m ² ·min	UNE-EN 1504-2
Fire behaviour	A1	UNE-EN 1504-2

Manufactured by:
IEDSA, S.A. - 891854877 / Pol. Poliviso, Carpiñeros, 25. Vía del Alcor, Sevilla - España (Spain) - T: (+34) 955 529 435
info@graphenstone.com / www.graphenstone.com

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info@graphenstone.com | www.graphenstone.com

December 4th, 2017

DECLARATION OF PERFORMANCE
According to Annex III to Regulation (EU) no. 305/2011

Nº 17.004

1. Unique identification code of the product-type:
Biosphere Premium

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
Batch number: see packaging of the product

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
EN 1504-2:2004
Surface protection systems for concrete, flexible system
Coating. Use for moisture control

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):
Industria Española para el Desarrollo e Investigación 2100, S.A.
Pol. Ind. Poliviso, c/ Hermeros 8, 41520 El Viso del Alcor, Sevilla, España

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):
Non-relevant

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
System 2+ (4)

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:
ALL WORLD CERTIFICATION. Avda Benjamin Franklin, 19, 46980, Paterna, Valencia, Spain. Notified agency No. 1170. I have performed the factory inspection and inspection of the production of the factory itself, as well as the current supervision, evaluation and rating of production controls of the factory according to system +2 (4) and issues the certificate

Graphenstone | IEDSA, S.A. Pol.Ind. Poliviso, Carpiñeros, 25. 41520 El Viso del Alcor, Sevilla, España (Spain). Phone: +34 955 529 435

FOUR STAR CERTIFIED

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8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:
Non-relevant

9. Declared performance

Technical properties	Performance	Normalized technical specifications
Bond strength by pull-off	≥0.8 N/mm ²	UNE-EN 1504-2
Water vapor permeability	Clase I	UNE-EN 1504-2
Capillary absorption and liquid water permeability	w < 0.10 kg/m ² ·min ^{0.5}	UNE-EN 1504-2
Fire behaviour	A1	UNE-EN 1504-2

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Antonio León Jiménez
President & CTO Graphenstone

Graphenstone | IEDSA, S.A. Pol.Ind. Poliviso, Carpiñeros, 25. 41520 El Viso del Alcor, Sevilla, España (Spain). Phone: +34 955 529 435

FOUR STAR CERTIFIED

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Toy Safety

In compliance with the Standard UNE-EN 71-3:2013 + A3:2018 - TOY SAFETY, the test has been carried out in the accredited laboratory "AIJU - ASSOCIATION OF RESEARCH FOR THE TOY AND RELATED INDUSTRIES". This regulation focuses on the chemical conditions that allow the different agents involved in the commercialization of toys to comply with the obligations of the community directive on toy safety (2009/48/EC).



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INFORME No.: 082607

CLIENTE: INDUSTRIA ESPAÑOLA PARA EL DES E INV, S.A.

PERSONA DE CONTACTO: Laura García

DIRECCIÓN: Pol. Ind. Polívigo. C/ Herreros, 84
41520 EL VISO DEL ALCOR (Sevilla)

OBJETO: Seguridad de los juguetes. Migración de ciertos elementos

MUESTRA ENSAYADA: Muestras de recubrimientos

FECHA DE RECEPCION: 18.02.2020

FECHAS DE ENSAYO: 26.02.2020 a 28.02.2020

FECHA DE EMISIÓN: 17.03.2020

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Fundación TECNALIA Research & Innovation

Blanca Ruiz de Gauna
Jefe Laboratorio de Caracterización de
Materiales de Construcción
División Lab_services

GRAPHENSTONE
THE ORIGINAL & AUTHENTIC
Natural paint for interiors
Ecosphere White Premium
Performance 7218 mg/L formaldehyde

GRAPHENSTONE
THE ORIGINAL & AUTHENTIC
Ecological paint for exterior
GrafClean White Premium
Performance 101 mg/L formaldehyde

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TECNALIA RESEARCH & INNOVATION
Área Xnoris, 5
E-30770 Alacant (Spain)
T 902 762 530
T +34 965 420 800 (International calls)

Nº DE INFORME: 082607 PÁG. 1 / 2

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BREEAM®

Building Research Establishment
Environmental Assessment Methodology



Leadership in Energy
& Environmental Design



HEALTH AND WELLBEING

- SyB 2 / SyB 8 Indoor air quality



MATERIALS

- MAT 1 Life Cycle Impacts
- MAT 3 Responsible material procurement
- MAT 8 Low environmental impact materials
- MAT 10 Responsible Procurement of Materials - Finishing Elements



INNOVATION

- INNOVATION



SUSTAINABLE SITES (SS)

- SS Reduced heat island effect



MATERIALS AND RESOURCES (MR)

- MR - Reducing the impact of the building's life cycle
- MR - Product Optimization and Dissemination - Environmental Product Declaration
- MR - Product Optimization and Dissemination - Material Components
- MR - Construction and Demolition Waste Management



INDOOR ENVIRONMENT QUALITY (IEQ)

- EQ - Low Emission Materials
- EQ - Indoor Air Quality Analysis
- EQ - Interior Lighting



INNOVATION DESIGN (ID)

- IN - Innovation in design. Exemplary performance.

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High purity lime. Graphenstone technology

Graphenstone guarantees that its product is 100% ecological, meeting the strictest international quality and certification standards.

Graphenstone guarantees that the raw material used for lime products is of the highest quality. Moreover, the lime cycle is 100% natural, from the wood used to feed the kiln, through the firing, to the collection.

We use graphene technology to achieve more efficient materials that meet the requirements of a highly demanding market committed to a new and more sustainable manufacturing methodology.

