

Industria Española para el Desarrollo y la  
Investigación 2100, S.A. (IEdiSA)  
Pol. Ind. Poliviso, c/ Carpinteros, 25  
41520 El Viso del Alcor, Sevilla – SPAIN

## Declaración fabricante

IEdiSA declara que la cal aplicada en los productos *Graphenstone®* está fabricada por procedimientos artesanales en hornos de leña. Debido a este proceso de fabricación, se obtiene una cal en pasta con una estructura molecular cristalina y sin impurezas proveniente de combustibles fósiles. Gracias a ello, se obtiene un valor de reflectancia de luz (LRV) medio del 89.41% ensayado sobre la pintura de cal exterior, *Biosphere Premium* (ver informes adjuntos).

IEdiSA declara que debido a la similitud en la composición de los productos en base cal de *Graphenstone®*, esta propiedad es extensible a la pintura de cal interior, *Ecosphere Premium*.

## Manufacturer declaration

IEdiSA declares that the lime applied to *Graphenstone®* products is manufactured by handcrafted procedures in wood-burning kiln. Due to this manufacturing process, a paste lime with a crystalline molecular structure and without impurities from fossil fuels is obtained. Thanks to this, an average light reflectance value (LRV) of 89.41% tested on the exterior lime paint, *Biosphere Premium*, are obtained (see attached reports).

IEdiSA declares that due to the similarity in the composition of *Graphenstone®* lime-based products, this property is extendable to the interior lime paint, *Ecosphere Premium*.

**Patricia Silva**  
Dpto. Técnico  
(20/02/2018)

**Dubai Central Laboratory**  
Engineering Materials Laboratory Section – Structural Unit  
**TEST REPORT**  
LIGHT REFLECTANCE VALUE (LRV) OF A SURFACE

REPORT NO. : 2016076655

DATE : 21/06/2016

WEB REQUEST NO : DCL-07062016-0203

REQUEST NO. : 2016051861

SAMPLE NO. : 2016072803

PROJECT NO. : PS16-0110

PROJECT NAME : TSF AL ASHRAFY CONT'G & INTERIOR L.L.C.

CONSULTANT : NO SPECIFIC CONSULTANT

CONTRACTOR : NO SPECIFIC CONTRACTOR

LOCATION : JLT-DUBAI

SOURCE : GRAPHENSTONE - SPAIN

SAMPLE DESCRIPTION : PAINT

PRODUCT NAME : EXTERIOR PAINT WITH GRAPHEN

Date of Sampling : 07/06/2016

Time : 12:00

Lot No. : NG

Date of Receiving Sample : 12/06/2016

Time : 11:00

Lot Size : NG

Size of Sample : 3 PCS

Area No. : -

Sender No. : 002

**TEST DETAILS**

DESCRIPTION OF SPECIMEN CIE x, y, Y

0.3173 0.3357 89.55

SIZE OF SPECIMEN : 150 X 150 mm

ILLUMINANT: D65, Observer 10°

MEASUREMENT AREA : 30 mm

TEST CONDITION 23±2°C & 50±5% RH

NO. OF SPECIMEN: 3

SPECIMEN NO	LRV				LRV RANGE		AVERAGE LRV
					LOW	HIGH	
1	89.92	90.69	89.97	90.03	89.92	90.69	90.15
2	88.24	88.68	88.16	88.36	88.16	88.68	88.36
3	90.31	90.05	88.97	89.52	88.97	90.31	89.71

SAMPLED BY : HASSAN(SUPPLIER)

SAMPLES BROUGHT IN BY : HASSAN(SUPPLIER)

SAMPLING METHOD : NOT GIVEN

SAMPLING REPORT NO. : NG

TEST METHOD : BS 8493 : 2008 + A1 : 2010

TEST METHOD VARIATION : NIL

EQUIPMENT USED: : **Datacolor 650™** Manufactured by: Datacolor Applied Color System INC, - U.S.A.  
Sl. No. : 8800427

Optical Geometry : D/8° geometry

REMARKS : THIS REPORT REPRESENTS THE SUBMITTED SAMPLE ONLY

AUTHORIZED BY  
HEAD OF UNIT

This report is computer approved, it does not require any signature

