

STONE LITE

INORGANIK

INFORME DE PRUEBA

No : XMIN190902159CCM
Día : 24 de octubre de 2019
edad: 1 de 11

NOMBRE DEL CLIENTE: FUJIAN QUANZHOU LTD.
DIRECCIÓN: Área de Haidu, Ciudad de Shuitou.

Nombre de la muestra : TERRAZO STONE LITE INORGANIK.
: PRUEBAS DE TIPO.

Tipo de inspección

La información anterior y la (s)muestra (s) fueron enviadas y confirmadas por el cliente. Sin embargo, SGS no asume ninguna responsabilidad de verificar la exactitud, adecuación e integridad de la información de la muestra proporcionada por el cliente.

Prueba requerida : Prueba(s) seleccionada(s) según lo solicitado por el solicitante
Referencia SGS. : XMNMLC1901286101, SDFS1909005718FF_CN 5 de
No. : septiembre de 2019
Fecha de recibo : 05 de septiembre de 2019
Fecha de inicio de la prueba : 19 de septiembre de 2019
Fecha de finalización de la prueba : Para obtener más detalles, consúltela (s) siguiente(s) página(s)
(A menos que se indique lo contrario, los resultados que se muestran en este informe de prueba se refieren solo a la(s) muestra(s) analizada(s))

***** Continuara*****

Resultados de la prueba)

Firmado por
SGS-CSTC Normas Servicios Técnicos
Co., Centro de pruebas de la sucursal
de Ltd Xiamen

Bryan

bryan hong

Firmante autorizado



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Normas Servicios Técnicos Co., Ltd.
Xiamen Branch Testing Center Construction Material Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

STONE LITE

INORGANIK

No: **XMIN190902159CCM**

Día: 24 de octubre de 2019

Edad: **2 de 11**

INFORME DE PRUEBA

Descripción de la muestra:

Piedra artificial, ver la foto.

Resultados de la prueba:

No.	Elementos de prueba	Métodos de prueba)	Condición de prueba	Resultados de la prueba)
1	brillo especular	GB/T13891-2008	300mm×300mm×20 mm 5 piezas, una cara pulida Ángulo de incidencia: 60° Superficie de prueba: pulida	69.4
2	Radioactividad	GB6566-2010	2kg	Clase A decorativa materiales (ver Anexo A)
3	Resistencia al deslizamiento	JGJ/T331-2014 yGB28635-2012anexoG	200mm×150mm×20 mm 5 piezas, una cara pulida Deslizador de goma: deslizador 55 Superficie de prueba: pulida	BPN"Húmedo":10
4	Coefficiente de fricción	JGJ/T331-2014 &GB/T4100-2015anexoM	200 mm× 200 mm× 20 mm 3 piezas, una cara pulida Superficie de prueba: pulida	Condición Seca COF: 0,67
5	Calidad de la superficie	JC/T908-2013(2017) Sección7.2	300mm×300mm×20mm, 10piezas,una cara pulida	La superficie aparición de la muestra está intacta, sin fractura, grieta, ampolla y otros defectos.
6	Mohs' dureza (ver nota1)	JC/T908-2013(2017) Sección7.4yanexoA	100 mm× 100 mm× 20 mm,3 piezas, una cara pulida Superficie de prueba: pulida	Sinarañazos:4 Rasguño:5 DurezadeMohs:5
7	Densidad Granel	GB/T9966.3-2001	50mm×50mm×20mm, 5 piezas, una cara pulida	2,52g/cm23
8	Agua absorción	JC/T908-2013(2017) Sección7.6 y GB/T3810.3-2016	200mm×200mm×20mm, 5 piezas ,una cara pulida Método De vacío	0,24%
9	Compresiva fortaleza	JC/T908-2013(2017) Sección7.9 y GB/T9966.1-2001	50mm×50mm×20mm, 10piezas, una cara pulida	Seco:126MPa Húmedo:140MPa

*****Continuara*****



SGS-CSTC Shanghai Technical Services Co., Ltd.
Xiamen Branch Testing Center Construction Material Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

STONE LITE

INORGANIK

INFORME DE PRUEBA

No: XMIN190902159CCM

Día: 24 de octubre de 2019

edad: 3 de 11

No.	Elementos de prueba		Métodos de prueba)	Condición de prueba	Resultados de la prueba)
10	Resistencia a la flexión		JC/T908-2013(2017) Sección7.8.2 y GB/T3810.4-2016	300 mm× 300 mm× 20 mm,7 piezas, una cara pulida Lapso: 280 mm Tasa de decarga:1N/(mm2·s)	11MPa
11	Resistencia a la abrasión		JC/T908-2013(2017) Sección7.10yanexoC	150 mm× 100 mm× 20 mm,6 piezas, una cara pulida Superficie de prueba: pulida	El largo de la ranura: 41mm La media volumen: 593mm3
12	térmica lineal Coeficiente de expansión		JC/T908-2013(2017) Anexo D	50 mm × 10 mm × 20 mm, 2 piezas, una cara pulida Tasa de calentamiento:3°C/min, Alcance desde la habitación temperaturaa60°C	0.31×10-5/°C
13	Químico resistencia	Clorhídrico solución ácida	DB44/T1601-2015 Sección5.10ySección 6.9yanexoG	300 mm× 300 mm× 20 mm,4 piezas, una cara pulida Superficie de prueba: pulida	Clase C1 (Ver Anexo B)
		Sodio hidróxido solución			Clase C4 (Ver Anexo B)
14	Resistencia a las manchas		DB44/T1601-2015 Sección5.11ySección 6.10yanexoH	100mm×100 mm×20 mm 10 piezas, una cara pulida Superficie de prueba: pulida	mancha total resistencia calificación: 60 Máximo profundidad individual de tinción: 0,08mm (Ver Anexo C)

***** Continuará*****



SGS-CSTC Shanghai Technical Services Co., Ltd.
Xiamen Branch Testing Center Commercial Construction Material Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

STONE LITE

INORGANIK

INFORME DE PRUEBA

No: **XMIN190902159CCM**

Día: **24 de octubre de 2019**

edad: **4 de 11**

No.	Elementos de prueba	Métodos de prueba)	Condición de prueba	Resultados de la prueba)
15	Metal pesado	Método interno deSGS (XMTC-CHEM-TOP-004-01, con referencia al método 3052:1996delaEPAdEE.UU.), se realizó un análisis por ICP-OES. Método interno de SGS (XMTC-CHEM-TOP-007-01, con referencia al método 3060A:1996delaEPAdEE.UU. &7196A:1992), análisis fue realizado por UV-Vis.	Ver Anexo D	(Ver Anexo D)
diesi seis	Reacción al fuego	GB8624-2012	Ver Anexo E	Clasificación de fuego Clase A(A1) (Ver Anexo E)

Nota:1. Escala de dureza de Mohs: 1-Talco;2-Yeso;3-Calcita; 4-espatoflúor;5-Apatito;6-Feldespato; 7-Cuarzo; 8-Topacio;9-Corindón; 10-Diamante.

2.La reacción al fuego fue realizada por SGS-CSTC Standards Technical Services Co.,Ltd.Shunde Branch.

*****Continuará*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Xiamen Branch Testing Center Commercial Construction Material Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

STONE LITE

INORGANIK

INFORME DE PRUEBA

No : XMIN190902159CCM

Dia: 24 de octubre de 2019

edad: 5 de 11

Anexo A

Radioactividad

Método de prueba:

GB 6566-2010 Límite de radionúclidos en materiales de construcción descripción de la muestra: Piedra artificial, vea la foto

Resultado de la prueba:

Elementos de prueba	Requisitos en GB6566-2010ClaseA	Resultados de la prueba
Índice de exposición interna <i>Real academia de bellas artes</i>	<i>I</i> Real academia de bellas artes ≤ 1.0	<0.1
Índice de exposición externa <i>Ir</i>	<i>I</i> ≤ 1.3	<0.1

Actividad específica de los nucleidos

nucleidos	Unidades	Actividad específica
Ra-226	Bq/kg	5.5
Th-232		4.5
K-40		16.6

Nota: La muestra cumplen con los requisitos de materiales decorativos GB6566-2010 Clase A, es ilimitada en fabricación, venta y uso.

*****Continuará*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

STONE LITE

INORGANIK

INFORME DE PRUEBA

No : XMIN190902159CCM

Dia: 24 de octubre de 2019

edad: 6 de 11

Anexo B

Resistencia química

Método de prueba:

DB44/T1601-2015Sección5.10ySección6.9yanexoG

Descripción de la muestra: Piedra artificial, 300 mm×300 mm×20 mm, 4 piezas, una cara

pulida Preparación de soluciones de agua:

- 1) Solución de ácido clorhídrico, 50%(V/V), preparada a partir de solución de ácido clorhídrico N
- 2) Solución de hidróxido de sodio, 50% (V/V), preparada a partir de una solución no carbonatada de hidróxido de sodio en agua normal

Tipo de brillo metro utilizado y tipo e intensidad de la fuente de luz: Sheen 260, CIE D65 Dirección de reflexión de la luz: 60°

Resultado de la prueba:

Resistencia química		Número de muestra	Valor de referencia		Clasificación
Resistencia a los ácidos	Solución de ácido clorhídrico (HCl)	1(1 hora)	8,2%	8,8%	C ₁ ota
		2(1 hora)	9,3%		
Resistencia a los álcalis	Solución de hidróxido de sodio (NaOH)	3(1 hora)	87,9%	87,4%	C ₂ ota
		4 (1 hora)	86, 8%		

nota:

C1: Piedras aglomeradas que mantienen menos del 55 % de los valores de reflexión de referencia después de 1 h ± 5 min de ataque alcalino y ácido.

C2: Piedras aglomeradas que mantienen entre el 55 % y el 70 % del valor de reflexión de referencia después de 1 h ± 5 min de ataque alcalino y ácido.

C3: Piedras aglomeradas que conservan entre el 70 % y el 85 % del valor de reflexión de referencia después de 1 h ± 5 min de ataque alcalino y ácido.

C4: Piedras aglomeradas que mantienen al menos el 85 % del valor de reflexión de referencia después de 1 h ± 5 min de ataque ácido y alcalino.

*****Continuará*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

STONE LITE

INORGANIK

INFORME DE PRUEBA

No : XMIN190902159CCM

Dia: 24 de octubre de 2019

edad: 7 de 11

Anexo C

Resistencia a las manchas

Método de prueba:

DB44/T 1601-2015 Sección 5.11 y Sección 6.10 y anexo H Descripción de la

muestra: piedra artificial, 100mm×100mm×20mm, 10 piezas, una cara pulida Superficie

de prueba: pulida

Resultado de la prueba:

reactivos		Resultados de la prueba			
		(Cubierto)		(Descubierto)	
		Individual clasificación de manchas	Profundidad remota	Individual clasificación de manchas	Profundidad remota
1	Salsa de soja	3	/	3	/
2	Betún líquido negro	2	/	2	/
3	Tinta lavable azul	4	/	4	/
4	Solución de violeta de genciana	5	0,08mm	5	0,06mm
5	Jugo de fresa	1	/	1	/
6	Lápiz labial	1	/	1	/
7	Tinte para el cabello	3	/	3	/
8	Mercurocromo (2%)	5	0,06mm	5	0,02mm
9	Bolsita de té mojada	4	/	4	/
10	Vinagre	2	/	2	/
Calificación total de resistencia a las manchas		60			
Profundidad individual máxima detención		0,08mm			

*****Continuará*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgs.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

STONE LITE

INORGANIK

INFORME DE PRUEBA

No : XMIN190902159CCM

Dia: 24 de octubre de 2019

edad: 8 de 11

Anexo D

Metal pesado

Número de muestra	ID de muestra de SGS	Descripción
SN1	XMN19-012861.001	color sólido

Observaciones:

- (1) 1mg/kg=0,0001%
- (2) MDL=Límite de detección del método
- (3) ND=No detectado(<MDL)
- (4) "-"=No Regulado

Análisis elemental

Método de prueba:

Método interno de SGS (XMTC-CHEM-TOP-004-01, con referencia al método 3052:1996 de la EPA de EE.UU.), el análisis se realizó mediante ICP-OES.

<u>Elementos de prueba</u>	<u>Unidad</u>	<u>MD</u> <u>L</u>	<u>Resultado</u>
Cd	mg/kg	2	DAKOTA DEL NORTE
Pb	mg/kg	2	DAKOTA DEL NORTE
Hg	mg/kg	2	DAKOTA DEL NORTE

CrVI

Método de prueba:

Método interno de SGS (XMTC-CHEM-TOP-007-01, con referencia al método 3060A: 1996 y 7196A: 1992 de la EPA de EE.UU.), el análisis se realizó mediante UV-Vis.

<u>Elementos de prueba</u>	<u>Unidad</u>	<u>MD</u> <u>L2</u>	<u>Resultado</u>
CrVI	mg/kg		DAKOTA DEL NORTE

*****Continuará*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

STONE LITE

INORGANIK

INFORME DE PRUEBA

No : XMIN190902159CCM

Dia: 24 de octubre de 2019

edad: 9 de 11

Anexo E Reacción al fuego

Prueba realizada:

GB 8624-2012 Clasificación al fuego para el comportamiento de combustión de materiales producto de construcción.
Cláusula 5.1.1 Tabla 2 Clases de reacción al fuego para materiales de construcción de los productos de construcción.
Y los métodos de prueba de la siguiente manera:

1. GB/T5464-2010 Método de prueba de incombustibilidad de materiales de construcción;
2. GB/T 14402-2007 Prueba de reacción al fuego para materiales y productos de construcción-Determinación del calor de combustión

Descripción de la muestra:

Grosor de la muestra: aproximadamente 20mm, masa por unidad de área: aproximadamente 50,0kg/m²

Uso previsto: tapas de cocina, tapas de ventana

Resultado de la prueba:

Métodos de prueba	Parámetro	Número de pruebas	Resultados
GB/T5464-2010	$\Delta T/^{\circ}\text{C}$	5	2.8
	$\Delta m/\%$		5.4
	tF/s		0
GB/T 14402-2007	Productos homogéneos a: -PCS(MJ/kg)	3	0.3

nota:

ΔT -aumento de temperatura [$^{\circ}\text{C}$]; Δm -pérdida de masa [%]; tF- Duración de la llama sostenida

[s] PCS-calor bruto de combustión [MJ/kg或MJ/m²]

Clasificación y campo directo de aplicación:

Esta clasificación se ha llevado a cabo de acuerdo con GB8624-2012 cláusula 5.1.1 tabla 2 clases de reacción al fuego para materiales de construcción de los productos de construcción

Conclusión:

Según el resultado de la prueba, las propiedades de combustión identificadas como:

GB8624A(A1): La muestra enviada cumple con GB8624-2012 Clase A.

*****Continuará*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgs.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

STONE LITE

INORGANIK

INFORME DE PRUEBA

No : XMIN190902159CCM

Dia: 24 de octubre de 2019

edad: 10 de 11

Tabla2- Clases de reacción al fuego para productos de construcción excluyendo pavimentos y productos de aislamiento térmico de tuberías lineales.

Clase	Métodos de prueba)	Criterios de clasificación
A	A1	GB/T5464a y $\Delta T \leq 30^\circ\text{C}$, $y \Delta \text{metro} \leq 50\%$, $y t_F = 0$ (es decir, sin llama sostenida)
		GB/T14402 $PC \leq 2,0 \text{ MJ/kgun, b, c, mi}$ $PC \leq 1,4 \text{ MJ/m}^2 \text{ 32 días}$
	A2	GB/T5464ao y $\Delta T \leq 50^\circ\text{C}$, $y \Delta \text{metro} \leq 50\%$, $y t_F \leq 20 \text{ segundos}$
		GB/T14402 $PC \leq 3,0 \text{ MJ/kgun, mi}$ $PC \leq 4,0 \text{ MJ/m}^2 \text{ 32 b, d}$
		GB/T20284 $FIGRA 0.2 \text{ MJ} \leq 120 \text{ W/sLFS} <$ borde de la muestra $THR 600 \text{ s} \leq$ 7,5 megajulios
B1	B	GB/T20284 y $FIGRA 0.2 \text{ MJ} \leq 120 \text{ W/sLFS} <$ Borde de la muestra THR $600 \text{ s} \leq 7.5 \text{ MJ}$
		GB/T8626 Exposición=30s $F_s \leq 150 \text{ mm}$ dentro de los 60s; Nose enciende el papel en 60s.
	C	GB/T20284 y $FIGRA 0.4 \text{ MJ} \leq 250 \text{ W/sLFS} <$ Borde de la muestra THR $600 \text{ s} \leq 15 \text{ MJ}$
		GB/T8626 Exposición=30s $F_s \leq 150 \text{ mm}$ en 60s Sin ignición del papel en 60s
B2	D	GB/T20284 y $FIGRA 0.4 \text{ MJ} \leq 750 \text{ W/s}$
		GB/T8626 Exposición=30s $F_s \leq 150 \text{ mm}$ en 60s Sin ignición del papel en 60s
	mi	GB/T8626 Exposición=15s $F_s \leq 150 \text{ mm}$ en 20s Sin ignición del papel en 20s
B3	F	Sin rendimiento determinado
A. Para productos homogéneos y componentes sustanciales de productos no homogéneos. B. Para cualquier componente externo no sustancial de productos no homogéneos. C. Cualquier componente o sustancia externa que tenga un $PCS \leq 2,0 \text{ MJ/m}^2$, siempre que el producto Satisfaga los siguientes criterios de $FIGRA \leq 20 \text{ W/s}$, $y LFS <$ borde de la muestra, y $THR 600 \text{ s} \leq 4,0 \text{ MJ}$, $y s1, y d0$ se pueden definir A1 D. Para cualquier componente interno no sustancial de productos no homogéneos ni para el producto en su conjunto.		

DECLARACIÓN :

Los resultados de la prueba se relacionan con el comportamiento de los especímenes de prueba de un producto bajo las condiciones particulares de la prueba; no pretenden ser el único criterio para evaluar el riesgo potencial de incendio del producto en uso.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编:361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

STONE LITE

INORGANIK

*****Continuará*****



SGS-CSTC Shanghai Technical Services Co., Ltd.
Xiamen Branch Testing Center Commercial Construction Material Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

STONE LITE

INORGANIK

INFORME DE PRUEBA

No : XMIN190902159CCM

Dia: 24 de octubre de 2019

edad: 11 de 11

ADVERTENCIA:

Este informe de clasificación no representa la aprobación de tipo ni la certificación del producto.

Foto:



Fotografías de muestras:



SGSautenticalafotosoloenelinformeoriginal

Nota: Este informe de prueba es una versión en inglés del informe de prueba No.:XMIN190902159CCM_CN con fecha: 24 de septiembre de 2019 emitido por

SGS, este informe es solo para referencia.

***** Findelinforme*****



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 t (86-592) 5765857 f (86-592) 5765380 www.sgsgroup.com.cn
中国·福建·厦门·火炬(翔安)产业区翔虹路31号 邮编: 361101 t (86-592) 5765857 f (86-592) 5765380 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)