



**THOMAS BELL-WRIGHT
INTERNATIONAL CONSULTANTS**



In accordance with UKAS accreditation to ISO 17065
Certification is Hereby Granted

to

Greco Gres Internacional S.L.

*Avenida Castilla La Mancha 1,
45240 Alameda De La Sagra, Toledo, Spain*

for

“Frontek”

Porcelain Ceramic Extruded Tile

(Classified according to BS EN 13501-1:2007+A1:2009)

which, subject to limitations described on the following pages and continued listing on www.tbwcert.com, complies with Product Certification Scheme *SD03 Exterior Wall Assemblies, Cladding, Curtain Walls, Building Materials, Products and Assemblies*

In witness whereof this Certificate is issued this 19th day of August 2018



Thomas F. Bell-Wright
Certification Director

Nick Purcell
Certification Manager

Certificate Number: TBW0300358

Initial registration: August 19, 2018
File Name: RE016 Greco Gres RTF

Issued: August 19, 2018

Expiration: August 18, 2021
Save Date: 19/08/18 9:21 AM

This certificate and schedules are held in force by regular Factory Inspections by Thomas Bell-Wright International Consultants (TBWIC). Refer to www.tbwcert.com or contact TBWIC Fire Compliance Division to validate the current status of Certification. This certificate remains the property of THOMAS BELL-WRIGHT INTERNATIONAL CONSULTANTS, PO BOX 26385, DUBAI, UAE.

Tel: +971 4 821 5777, Email: certification@bell-wright.com. Web: www.bell-wright.com F 19 Scheme Certificate Issue 5. Dec 2016

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“Frontek” Porcelain Ceramic Extruded Tile


1. Certification is given for 19-mm thick “Frontek” porcelain ceramic extruded tiles for Reaction to Fire performance according to test requirements of Classification standard BS EN 13501-1:2007+A1:2009 – “Fire classification of construction products and building elements-Part 1: Classification using data from reaction to fire test”. The product has achieved the following Fire Classification:

A1

2. Certification is subject to the limitations stated herein. Readers of this document should be familiar with Reaction to Fire testing and the requirements of ISO/IEC 17065:2012. The Certification will be listed on www.tbwcert.com, while it remains current. This Certification is not valid if it is not listed.
3. The product is approved on the basis of TBWIC Product Certification Scheme SD03 for Exterior Wall Assemblies, Cladding, Curtain Walls, Building Materials, Products and Assemblies which includes pre-test sampling, evidence of performance (under reference TBW Classification report: SD128-7), Technical Verification and Proof of Performance, compliance to Factory Production Control requirements and surveillance & Re-certification Inspection/ Audits.
4. “Frontek” tiles are composed of minerals which mainly include feldspar and clay. Tiles are manufactured by flat extrusion process of wet ceramic raw-material as part of production process. Tiles are 19 mm thick with a weight per unit area of 32 kg/m², and contain hollow cavities. See Section 6 for further details.
5. Limitations:
 - 5.1. The tests standards covered under this certification were used to measure the response of materials, products, or assemblies to heat and flame under controlled conditions. The results described in each particular test report(s) on its own shall not be used as sole criteria for fire-hazard or fire-risk assessment of the materials, products, or system assemblies under actual fire conditions.
 - 5.2. The overall thickness and weight per unit area of the product shall be according to Section 6.
 - 5.3. This certification is only valid for material as tested. No variation is allowed in composition and structure.
 - 5.4. This certification pertains to the material tested and classified as standalone product. It does not extend to the wall system, or construction assembly, onto which the product would be installed.
 - 5.5. The test (and Certification) do not address the following:
 - 5.5.1. Measurement of heat transmission
 - 5.5.2. Effect of aggravated flame spread behaviour of an assembly resulting from proximity of combustible walls and ceilings
 - 5.5.3. Any Resistance to Fire rating
 - 5.5.4. Toxicity level of smoke developed during combustion
 - 5.5.5. Fire propagation characteristics when tested as large scale façade cladding assembly
 - 5.5.6. Water absorption, physical and mechanical properties

Certificate number: TBW0300358

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Certification Manager
Nick Purcell

Seal number: 100703

Issued: 19 Aug. 2018
Valid to: 18 Aug. 2021

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6. Product details

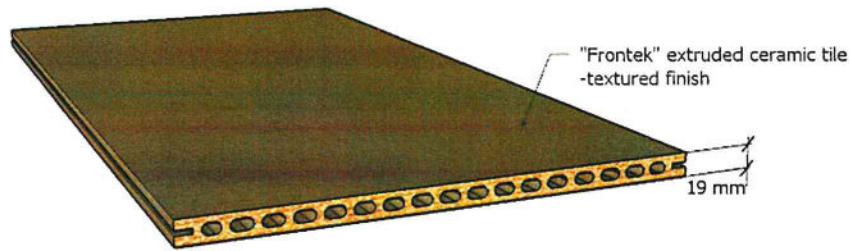


Figure 1: "Frontek"– typical product illustration

- a. Product Reference: "Frontek"
- b. Description: Porcelain ceramic extruded tile
- c. Overall thickness: 19 mm \pm 10%
- d. Density: 2300 \pm 100 kg/m³
- e. Weight per unit area: 32 \pm 0.5 kg/m²

7. Approved Manufacturing Location

Greco Gres Internacional S.L
Avenida Castilla La Mancha 1,
45240 Alameda De La Sagra,
Toledo, Spain

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