

# Eurocoustic TONGA A

## Product Data Sheet

### Introduction

Eurocoustic TONGA A is a high performance square edge tile for acoustic ceilings in a range of commercial applications. Used in conjunction with CasoLine QUICK LOCK Grid, Eurocoustic TONGA A can provide class A sound absorption, A1 reaction to fire and 30 minutes fire resistance to BS476-23.

### Product description

Eurocoustic TONGA A is manufactured in accordance with EN 13964:2004. The tiles comprise a 22mm thick stone wool core, with a decorative glass fibre veil bonded to the face of the tile. The reverse of the tile is reinforced with a natural glass veil backing.

### Tile performance

#### Sound absorption

Sound absorption testing of Eurocoustic TONGA A has been carried out to BS EN 20354: 1993 and ISO 354: 1985 with a 200mm plenum depth. The single figure rating practical sound absorption coefficients  $\alpha_w$ , and sound absorption classes, are calculated in accordance with BS EN ISO 11654: 1997.

#### Fire resistance

Eurocoustic TONGA A achieves 30 minute fire resistance when tested to BS 476-23:1987, using a system comprising CasoLine QUICK LOCK Grid T24 lay-in Grid and CasoLine QUICK LOCK Adjustable Hangers.

#### Declaration of Performance

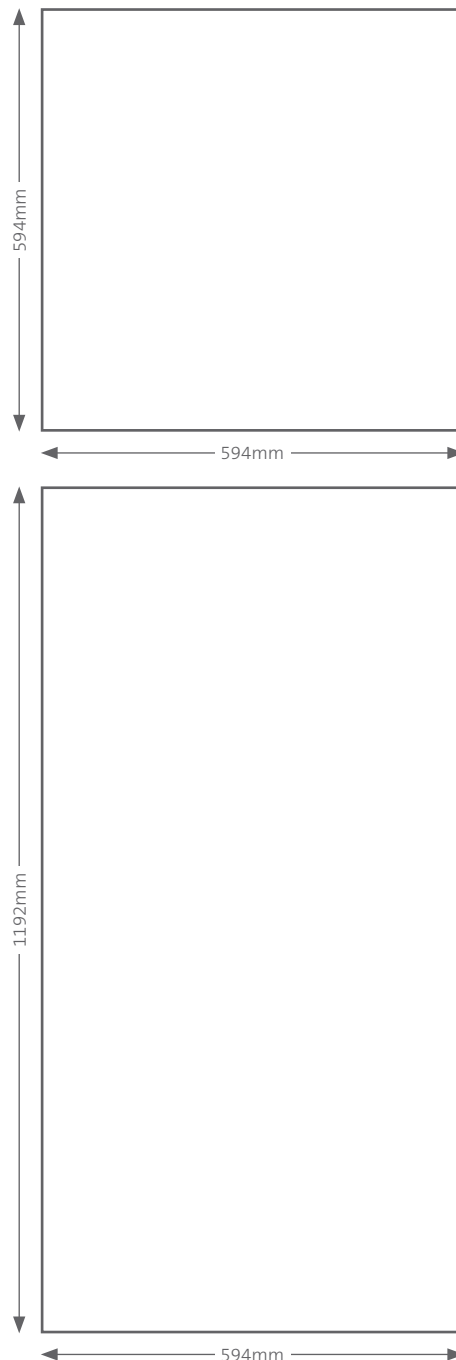
Declaration of Performance is available for download from the British Gypsum website british-gypsum.com.

#### Warranty

Eurocoustic TONGA is covered by British Gypsum's SpecSure® lifetime warranty. SpecSure® confirms British Gypsum systems will perform to the parameters published in our current literature for the period of time that the system is used for its originally designed purpose. Systems must be specified and installed in line with the current British Gypsum White Book, and comprise only genuine branded British Gypsum components.

### Physical properties

Tile size*	600mm x 600mm, 1200mm x 600mm
Tile thickness	22mm
Edge type	A edge
Colour	White
Light reflectance	>85%
Acoustic absorption class	A
Reaction to fire	Euroclass A1
Mass	-
Moisture resistance	Up to 100%



### Acoustic performance (Plenum depth = 200mm)

Class	$\alpha_w$	$\alpha_p$ Frequency (Hz)					
		125	250	500	1000	2000	4000
A	1	0.55	0.90	1	0.95	1	1

\*Eurocoustic tiles are designed for 600mm x 600mm or 1200mm x 600mm grid systems. Actual dimensions are 594mm x 594mm / 1192mm x 594mm.

## Application and installation

### Handling and storage

All Eurocoustic ceiling tiles are packed in cartons and shrink-wrapped. Pallets are wrapped in plastic film and must be stored undercover.

### Installation

Eurocoustic tiles should be installed in line with the guidelines given in *BS EN 13964:2014* 'Suspended ceilings - Requirements and test methods', Annex A. For specific manufacturer's instructions refer to the British Gypsum Ceilings Installation Guide.

### Fixtures

Fixings to the system should always be made into the metal grid or to supplementary framing. Adjustment of the primary grid may be required to support particularly heavy loads.

Refer to the **British Gypsum White Book** for full design information regarding the relevant system.

### Environment

All Eurocoustic tiles are suitable for use in environments with relative humidity levels up to 100% and temperatures up to 40°C.

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## Product standards

All British Gypsum ceiling products are manufactured under management systems which have been independently audited and certified as conforming with *ISO 9001: 2001*. All Eurocoustic products conform to *BS EN 13964:2004* 'Suspended ceilings - Requirements and test methods'.

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## Maintenance

Eurocoustic **TONGA** ceiling tiles can be cleaned using a light brush and/or vacuum cleaner.

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British Gypsum reserves the right to revise product specification without notice. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work. For a comprehensive and up-to-date library of information visit the British Gypsum website at: [british-gypsum.com](http://british-gypsum.com). For information about products supplied by Artex Limited or Saint-Gobain Isover please see their respective websites.

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