

ARTECO



Gyptone

A unique combination
Acoustics and aesthetics

*The creative solution
for modern performance
ceilings*



ARTECO

CEILING PRODUCTS

Total systems

As part of the British Gypsum total system, the Arteco Gyptone range is backed by the expertise of the UK's leading supplier and foremost authority on internal wall and ceiling systems, with a proven record of providing effective solutions for many of the world's most prestigious buildings.

Our unrivalled experience, technical expertise and state-of-the-art technology have enabled us to develop unique systems that meet the most demanding performance and build criteria and the most rigorous quality standards, yet are simple and quick to install.

Performance warranty

In addition to the performance warranty that comes with every British Gypsum component, all British Gypsum proprietary systems now benefit from SpecSure®, our ground-breaking lifetime system warranty that supports and protects the integrity of our market leading drywall systems from specification to installation. Arteco ceilings are no exception. It is this guaranteed performance that continues to convince professional specifiers to choose our products and systems above all others for their entire internal lining solutions.



Technical support

The Arteco Gyptone range is supported by the most comprehensive technical support resource in the industry, the British Gypsum Drywall Academy. Through the Drywall Academy we can offer advice and assistance with product selection, design and detailing, health and safety, statutory requirements and many other installation issues.



Front cover Gyptone LINE 4 tiles

Top opposite page Gyptone LINE 6 board

Bottom opposite page Gyptone QUATTRO 20 tiles

Top Gyptone QUATTRO 47 board

Bottom Gyptone LINE 6 board



Gyptone

The Gyptone range of perforated, pre-finished gypsum tiles, planks and boards offers a high performance and outstanding quality ceiling while still providing limitless design options for the interiors of a wide variety of buildings.

Gyptone unites distinctive designs, gypsum's durability and superb sound absorption characteristics. It also offers easy maintenance and enables redecoration without affecting acoustic performance.

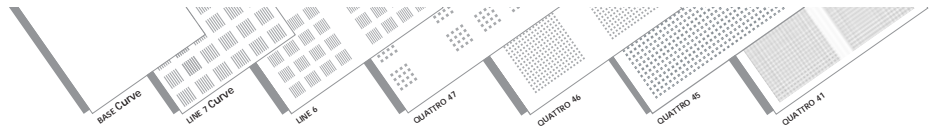
- ◆ Sound attenuating
- ◆ Sound absorbing
- ◆ Class 0 / Euroclass A2
- ◆ RH70
- ◆ Distinctive geometric patterns
- ◆ Ceiling and wall lining
- ◆ Creative freedom

The versatile range is available in a number of geometric perforated patterns; these include SIXTO, QUATTRO, POINT and LINE, which can be combined with unperforated boards and tiles to allow a natural transition between open areas.

With their stylish patterns and special acoustic tissue bonded to the back face, Gyptone gives designers and users an ideal acoustic environment while maintaining their exciting aesthetic appeal.

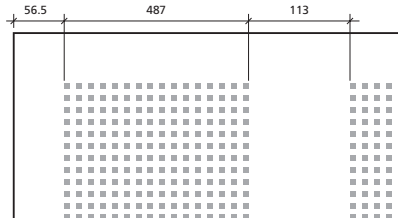
Main Gyptone LINE 6 board

Gyptone boards



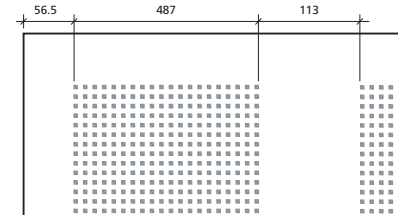
The Gyptone range of boards brings a new creative freedom to ceiling and wall lining design, whether the concept calls for sweeping yet elegant links between open areas or for a simple, natural transition between rooms. Gyptone's attractive boards for flat or curved surfaces can be decorated and redecorated without affecting acoustic performance, and add gypsum's fire safety and durability to a true aesthetic appeal. Gyptone QUATTRO 41, 45, 46 and 47 boards are supplied with tapers on all four edges for a superior finish.

QUATTRO 41 board



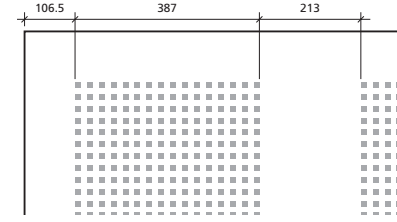
Size	1200 x 2400mm
Thickness	12.5mm
Edge	4 Edge
Grid system	CasoLine MF / GypLyner
Perforation size	12 x 12mm
Perforated area	16%
Weight	8kg/m ²
System Reference	C10A091, C10A092 C10A098
Reaction to fire	Class 0 / Euroclass A2

QUATTRO 45 board



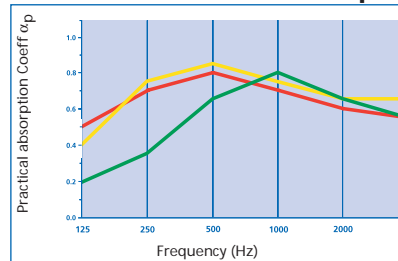
Size	900 x 2400mm
Thickness	12.5mm
Edge	4 Edge
Grid system	CasoLine MF / GypLyner
Perforation size	12 x 12mm
Perforated area	17%
Weight	8kg/m ²
System Reference	C10A106, C10A107 C10A108
Reaction to fire	Class 0 / Euroclass A2

QUATTRO 46 board



Size	1200 x 2400mm
Thickness	12.5mm
Edge	4 Edge
Grid system	CasoLine MF / GypLyner
Perforation size	12 x 12mm
Perforated area	10%
Weight	8kg/m ²
System Reference	C10A014, C10A015
Reaction to fire	Class 0 / Euroclass A2

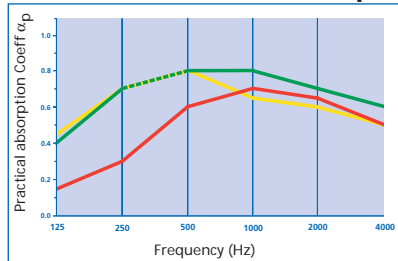
Sound absorption coefficient α_p



Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Red	0.50	0.70	0.80	0.70	0.60	0.55	0.65	0.70
Green	0.20	0.35	0.65	0.80	0.65	0.55	0.65	0.60
Yellow	0.40	0.75	0.85	0.75	0.65	0.65	0.75	0.75

- Absorption Class / Plenum depth**
- Red: Class C / 187mm
 - Green: Class C / 45mm
 - Yellow: Class C / 45mm with 50mm Isover APR 1200

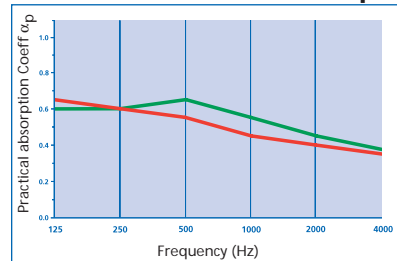
Sound absorption coefficient α_p



Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Red	0.15	0.30	0.60	0.70	0.65	0.50	0.60	0.60
Green	0.40	0.70	0.80	0.80	0.70	0.60	0.75	0.75
Yellow	0.45	0.70	0.80	0.65	0.60	0.50	0.65	0.60

- Absorption Class / Plenum depth**
- Red: Class C / 45mm
 - Green: Class C / 45mm with 50mm Isover APR 1200
 - Yellow: Class C / 187mm

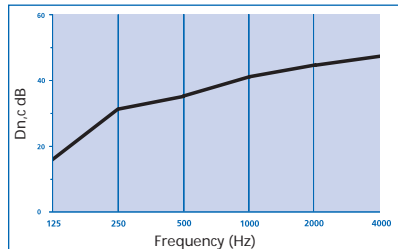
Sound absorption coefficient α_p



Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Red	0.65	0.60	0.55	0.45	0.40	0.35	0.45(L)	0.50
Green	0.60	0.60	0.65	0.55	0.45	0.40	0.50(L)	0.55

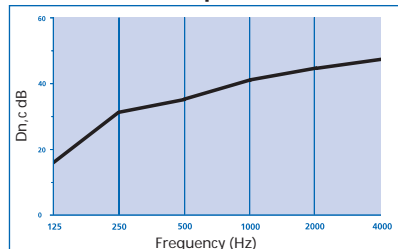
- Absorption Class / Plenum depth**
- Red: Class D / 400mm
 - Green: Class D / 400mm with 100mm Isover General Purpose Roll

Sound insulation performance



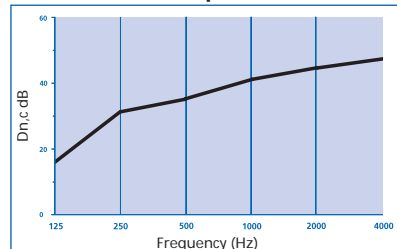
Sound insulation Dn,c								
Hz	125	250	500	1k	2k	4k	D_{ncw}	(C:Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)	(with 100mm Isover General Purpose Roll)

Sound insulation performance



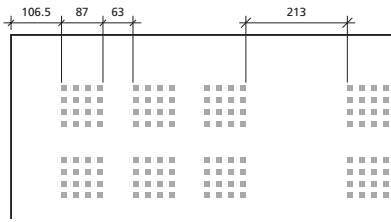
Sound insulation Dn,c								
Hz	125	250	500	1k	2k	4k	D_{ncw}	(C:Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)	(with 100mm Isover General Purpose Roll)

Sound insulation performance



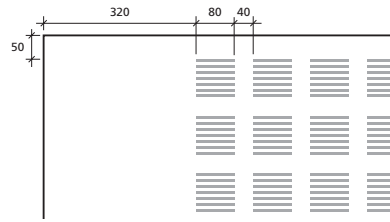
Sound insulation Dn,c								
Hz	125	250	500	1k	2k	4k	D_{ncw}	(C:Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)	(with 100mm Isover General Purpose Roll)

QUATTRO 47 board



Size	1200 x 2400mm
Thickness	12.5mm
Edge	4 Edge
Grid system	CasoLine MF / GypLyner
Perforation size	12 x 12mm
Perforated area	6%
Weight	8kg/m ²
System Reference	C10A016, C10A017
Reaction to fire	Class 0 / Euroclass A2

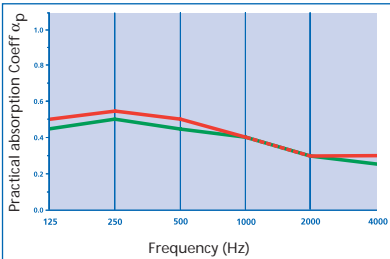
LINE 7 Curve board



Size	900 x 2400mm
Thickness	6.5mm
Edge	Tapered
Grid system	CasoLine CURVE
Perforation size	6 x 80mm
Minimum radius	1200mm
Perforated area	14%
Weight	5kg/m ²
System Reference	C10A018, C10A019
Reaction to fire	Class 0 / Euroclass A2

Can be used in conjunction with Gyptone BASE CURVE.

Sound absorption coefficient α_p

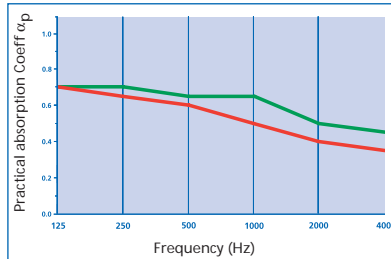


Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Red	0.50	0.55	0.50	0.40	0.30	0.30	0.40(L)	0.45
Green	0.45	0.50	0.45	0.40	0.30	0.25	0.35(L)	0.40

Absorption Class / Plenum depth

- Class D / 45mm with 50mm Isover APR 1200
- Class D / 400mm

Sound absorption coefficient α_p

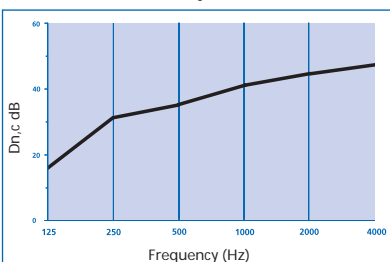


Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Red	0.70	0.65	0.60	0.50	0.40	0.35	0.45(L)	0.55
Green	0.70	0.70	0.65	0.65	0.50	0.45	0.55(L)	0.65

Absorption Class / Plenum depth

- Class D / 400mm
- Class D / 400mm with 100mm Isover General Purpose Roll

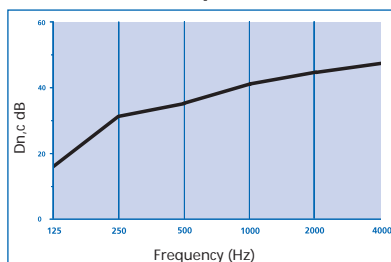
Sound insulation performance



Sound insulation Dn,c								
Hz	125	250	500	1k	2k	4k	$D_{n,c}$	(C;Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39	(-2;-8)

(with 100mm Isover General Purpose Roll)

Sound insulation performance



Sound insulation Dn,c								
Hz	125	250	500	1k	2k	4k	$D_{n,c}$	(C;Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39	(-2;-8)

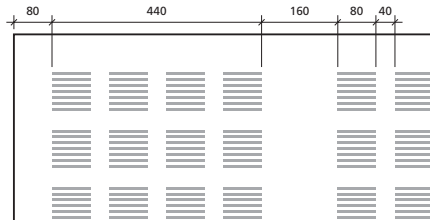
(with 100mm Isover General Purpose Roll)



Main Gyptone LINE 6 board

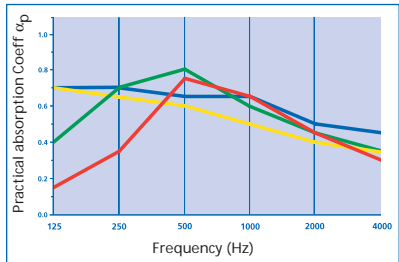


LINE 6 board



Size	1200 x 2400mm
Thickness	12.5mm
Edge	4 Edge
Grid system	CasoLine mF / GypLyner
Perforation size	6 x 80mm
Perforated area	13%
Weight	8kg/m ²
System Reference	C10A012, C10A013, C10A001, C10A002
Reaction to fire	Class 0 / Euroclass A2

Sound absorption coefficient α_p

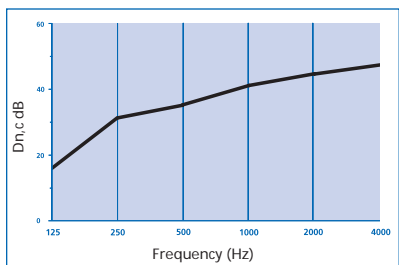


Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Red	0.15	0.35	0.70	0.65	0.45	0.30	0.45(L)	0.55
Green	0.40	0.70	0.80	0.60	0.45	0.35	0.50(LM)	0.65
Yellow	0.70	0.65	0.60	0.50	0.40	0.35	0.45(L)	0.55
Blue	0.70	0.70	0.65	0.65	0.50	0.45	0.55(L)	0.65

Absorption Class / Plenum depth

- Class D / 45mm
- Class D / 45mm with 50mm Isover APR 1200
- Class D / 400mm
- Class D / 400mm with 100mm Isover General Purpose Roll

Sound insulation performance



Sound insulation Dn,c								
Hz	125	250	500	1k	2k	4k	D _{n,cw}	(C;Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39	(-2;-8)
(with 100mm Isover General Purpose Roll)								

Gyptone Access Panels

Gyptone's comprehensive range of ceiling boards now encompasses specially developed access panels which allow easy access to the service area behind the suspended ceiling.

The Gyptone range of access panels are fully integrated into the ceiling design and can be installed without the need for screws or other mechanical fixing. The panels are small and unobtrusive and can be filled and painted to exactly match the desired ceiling appearance - never compromising the overall seamless look of the ceiling.

Product information

Gyptone access panels are delivered as an assembled kit, to match the board design being installed.

Dimensions

350mm x 350mm

Perforations

Gyptone access panels are supplied to match board designs:

- Arteco Gyptone LINE 6
- Arteco Gyptone QUATTRO 41
- Arteco Gyptone QUATTRO 45
- Arteco Gyptone QUATTRO 46
- Arteco Gyptone QUATTRO 47

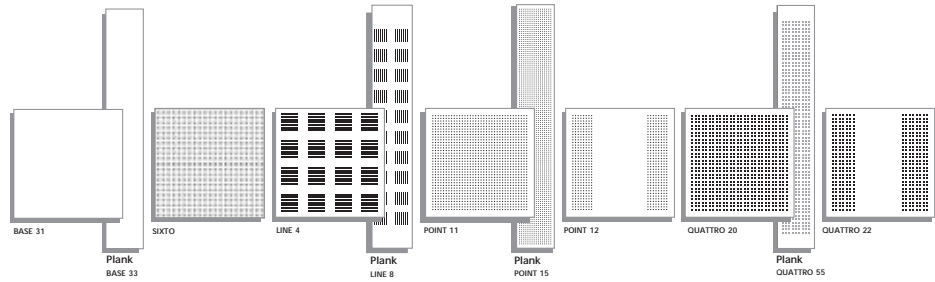


Main Gyptone QUATTRO 41 boards
and access panels

Above Gyptone LINE 6 boards



Gyptone tiles and planks



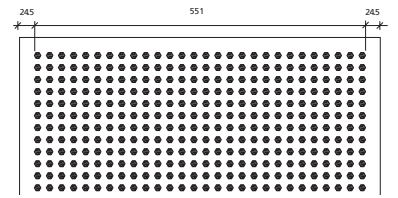
The Gyptone range of suspended ceiling tiles and planks provides interior designers with an innovative and exciting combination of design and performance, and with limitless options for building interiors.

BASE 31 tile



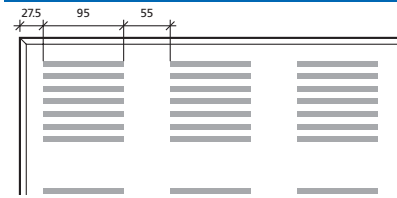
Size	600 x 600mm
Thickness	12.5mm
Edge / Grid system	A / E15 - 15mm 'T' Section D1 - CasoLine T24 D1
Perforation size	Unperforated
Weight	9kg/m ²
Light reflectance	82%
System Reference	C10A008, C10A011
Reaction to fire	Class 0 / Euroclass A2

SIXTO tile



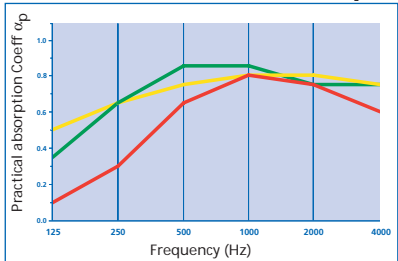
Size	600 x 600mm
Thickness	12.5mm
Edge / Grid system	E15 - 15mm 'T' Section system
Perforation size	11 x 95mm
Perforated area	17%
Weight	
Light reflectance	
System Reference	C10A099, C10A100 C10A105
Reaction to fire	Class 0 / Euroclass A2

LINE 4 tile



Size	600 x 600mm
Thickness	12.5mm
Edge / Grid system	E15 - 15mm 'T' Section system
Perforation size	6 x 95mm
Perforated area	18%
Weight	8kg/m ²
Light reflectance	70%
System Reference	C10A004, C10A094
Reaction to fire	Class 0 / Euroclass A2

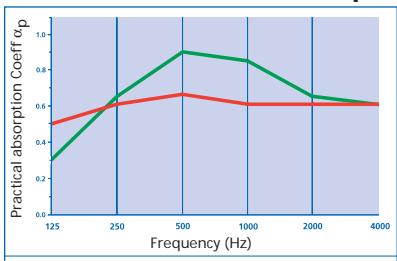
Sound absorption coefficient α_p



Practical absorption coefficient α_p									
Hz	125	250	500	1k	2k	4k	α_w	NRC	
Class C / 58mm	0.15	0.30	0.65	0.80	0.75	0.60	0.60	0.65	
Class B / 58mm with 50mm Isover APR 1200	0.35	0.65	0.85	0.85	0.75	0.75	0.85	0.75	
Class B / 300mm with 75mm Isover Acoustic Slab Multi-Purpose	0.50	0.65	0.75	0.80	0.80	0.75	0.80	0.80	

- Absorption Class / Plenum depth**
- Class C / 58mm
 - Class B / 58mm with 50mm Isover APR 1200
 - Class B / 300mm with 75mm Isover Acoustic Slab Multi-Purpose

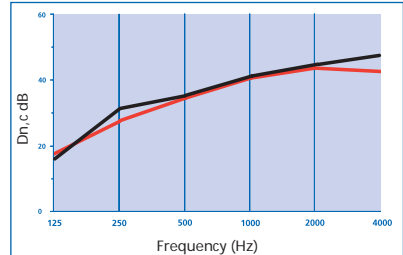
Sound absorption coefficient α_p



Practical absorption coefficient α_p									
Hz	125	250	500	1k	2k	4k	α_w	NRC	
Class C / 200mm	0.50	0.60	0.65	0.60	0.60	0.60	0.65	0.60	
Class C / 45mm with 50mm Isover APR 1200	0.30	0.65	0.90	0.85	0.65	0.60	0.70	0.75	

- Absorption Class / Plenum depth**
- Class C / 200mm
 - Class C / 45mm with 50mm Isover APR 1200

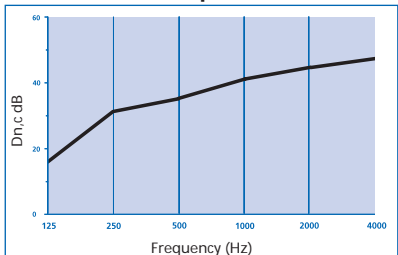
Sound insulation performance



Sound insulation $D_{n,c}$							
Hz	125	250	500	1k	2k	4k	$D_{n,cw}(C;Ctr)$
dB	17.1	27.6	33.8	40.5	43.3	42.5	37 (-1;-7)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)

■ (No quilt)
■ (with 100mm Isover General Purpose Roll)

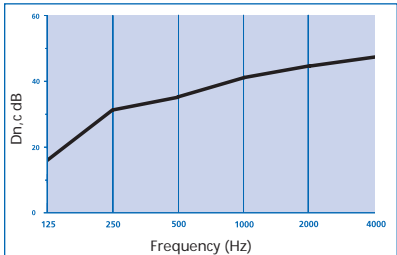
Sound insulation performance



Sound insulation $D_{n,c}$							
Hz	125	250	500	1k	2k	4k	$D_{n,cw}(C;Ctr)$
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)

(with 100mm Isover General Purpose Roll)

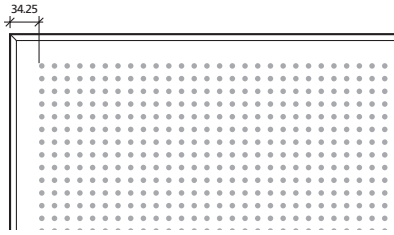
Sound insulation performance



Sound insulation $D_{n,c}$							
Hz	125	250	500	1k	2k	4k	$D_{n,cw}(C;Ctr)$
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)

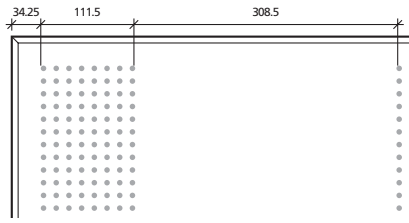
(with 100mm Isover General Purpose Roll)

POINT 11 tile



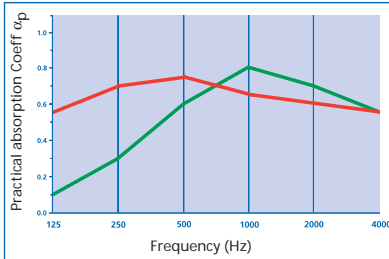
Size	600 x 600mm
Thickness	12.5mm
Edge / Grid system	E15 - 15mm 'T' Section system
Perforation size	6.5mm
Centres between holes	15mm
Perforated area	12%
Weight	8kg/m ²
Light reflectance	75%
System Reference	C10A005, C10A093
Reaction to fire	Class 0 / Euroclass A2

POINT 12 tile



Size	600 x 600mm
Thickness	12.5mm
Edge / Grid system	E15 - 15mm 'T' Section system
Perforation size	6.5mm
Centres between holes	15mm
Perforated area	5%
Weight	8kg/m ²
Light reflectance	75%
System Reference	C10A006
Reaction to fire	Class 0 / Euroclass A2

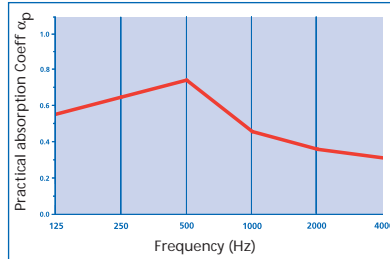
Sound absorption coefficient α_p



Hz	125	250	500	1k	2k	4k	α_w	NRC
Class C / 200mm	0.55	0.70	0.75	0.65	0.60	0.55	0.65(L)	0.65
Class C / 45mm	0.10	0.30	0.60	0.80	0.70	0.55	0.60	0.60

Absorption Class / Plenum depth
■ Class C / 200mm
■ Class C / 45mm

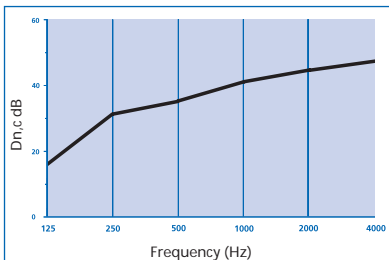
Sound absorption coefficient α_p



Hz	125	250	500	1k	2k	4k	α_w	NRC
Class D / 200mm	0.55	0.65	0.75	0.45	0.35	0.30	0.40(LM)	0.55

Absorption Class / Plenum depth
■ Class D / 200mm

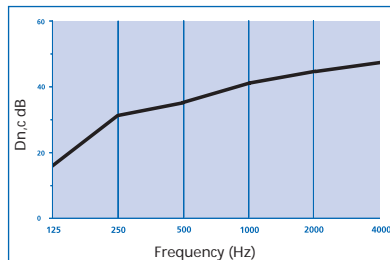
Sound insulation performance



Hz	125	250	500	1k	2k	4k	D _{ncw} (C;Ctr)
POINT 11 tile	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)

(with 100mm Isover General Purpose Roll)

Sound insulation performance



Hz	125	250	500	1k	2k	4k	D _{ncw} (C;Ctr)
POINT 12 tile	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)

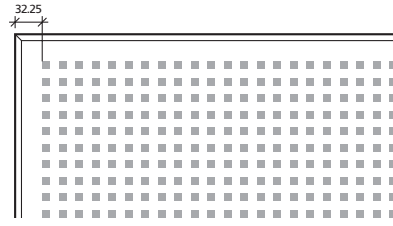
(with 100mm Isover General Purpose Roll)



Main Gyptone QUATTRO 20 tiles

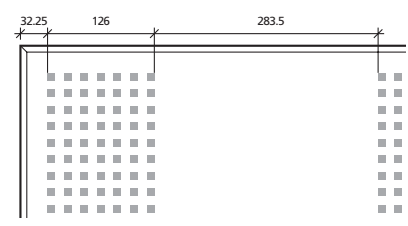


QUATTRO 20 tile



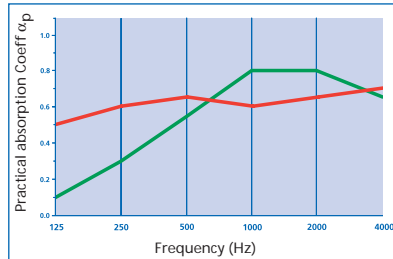
Size	600 x 600mm
Thickness	12.5mm
Edge / Grid system	E15 - 15mm 'T' Section
Perforation size	D1 - CasoLine T24 D1
Centres between holes	19mm
Perforated area	18%
Weight	8kg/m ²
Light reflectance	73%
System Reference	C10A003
Reaction to fire	Class 0 / Euroclass A2

QUATTRO 22 tile



Size	600 x 600mm
Thickness	12.5mm
Edge / Grid system	E15 - 15mm 'T' Section
Perforation size	D1 - CasoLine T24 D1
Centres between holes	19mm
Perforated area	9%
Weight	8kg/m ²
Light reflectance	73%
System Reference	C10A007
Reaction to fire	Class 0 / Euroclass A2

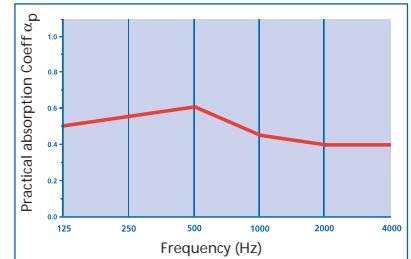
Sound absorption coefficient α_p



Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Class C / 200mm	0.50	0.60	0.65	0.60	0.65	0.70	0.65	0.60
Class D / 45mm	0.10	0.30	0.55	0.80	0.80	0.65	0.55	0.60

Absorption Class / Plenum depth
■ Class C / 200mm
■ Class D / 45mm

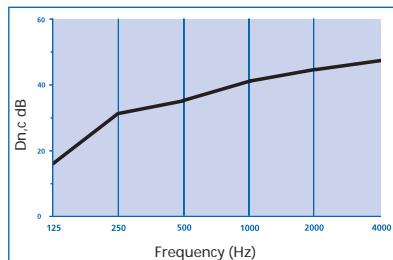
Sound absorption coefficient α_p



Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Class D / 200mm	0.50	0.55	0.60	0.45	0.40	0.40	0.45(L)	0.50

Absorption Class / Plenum depth
■ Class D / 200mm

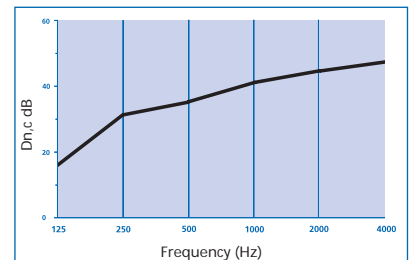
Sound insulation performance



Sound insulation Dn,c							
Hz	125	250	500	1k	2k	4k	D _{ncw} (C:Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)

(with 100mm Isover General Purpose Roll)

Sound insulation performance



Sound insulation Dn,c							
Hz	125	250	500	1k	2k	4k	D _{ncw} (C:Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)

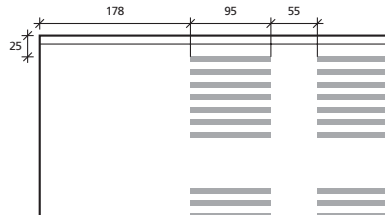
(with 100mm Isover General Purpose Roll)

BASE 33 Plank



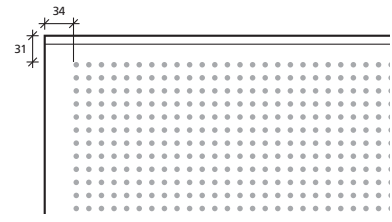
Size	300 x 1800mm 300 x 2100mm
Thickness	12.5mm
Edge	E15 / A
Grid system	CasoLine T15p
Perforation size	Unperforated
Weight	9kg/m ²
Light reflectance	82%
System Reference	C10A011
Reaction to fire	Class 0 / Euroclass A2

LINE 8 Plank



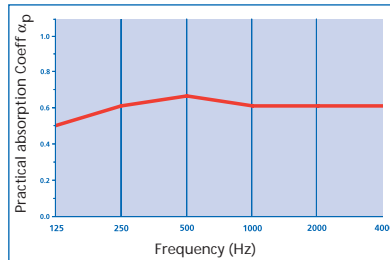
Size	300 x 1800mm 300 x 2100mm
Thickness	12.5mm
Edge	E15 / A
Grid system	CasoLine T15p
Perforation size	6 x 95mm
Perforated area	15%
Weight	8kg/m ²
Light reflectance	70%
System Reference	C10A009
Reaction to fire	Class 0 / Euroclass A2

POINT 15 Plank



Size	300 x 1800mm 300 x 2100mm
Thickness	12.5mm
Edge	E15 / A
Grid system	CasoLine T15p
Perforation size	6.5mm
Centres between holes	15mm
Perforated area	11%
Weight	8kg/m ²
Light reflectance	75%
System Reference	C10A010
Reaction to fire	Class 0 / Euroclass A2

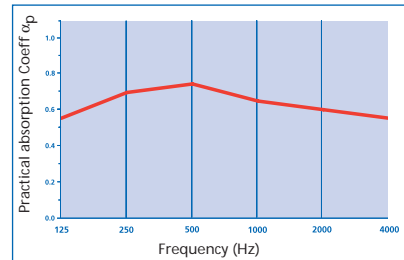
Sound absorption coefficient α_p



Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
	0.50	0.60	0.65	0.60	0.60	0.60	0.65	0.60

Absorption Class / Plenum depth
■ Class C / 200mm

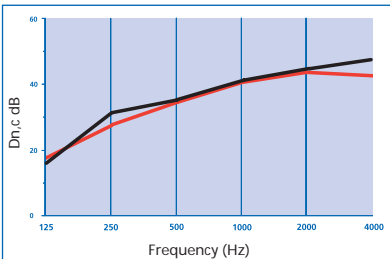
Sound absorption coefficient α_p



Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
	0.55	0.70	0.75	0.65	0.60	0.55	0.65(L)	0.65

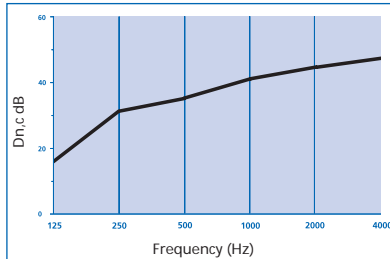
Absorption Class / Plenum depth
■ Class C / 200mm

Sound insulation performance



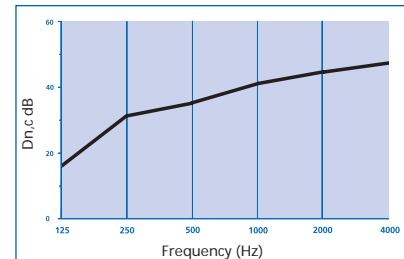
Sound insulation $D_{n,c}$							
Hz	125	250	500	1k	2k	4k	$D_{n,c}(C;Ctr)$
dB	17.1	27.6	33.8	40.5	43.3	42.5	37 (-1;-7)
■ (No quilt)							
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)
■ (with 100mm Isover General Purpose Roll)							

Sound insulation performance



Sound insulation $D_{n,c}$							
Hz	125	250	500	1k	2k	4k	$D_{n,c}(C;Ctr)$
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)
(with 100mm Isover General Purpose Roll)							

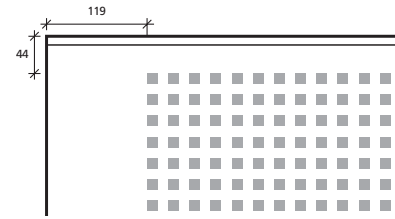
Sound insulation performance



Sound insulation $D_{n,c}$							
Hz	125	250	500	1k	2k	4k	$D_{n,c}(C;Ctr)$
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)
(with 100mm Isover General Purpose Roll)							

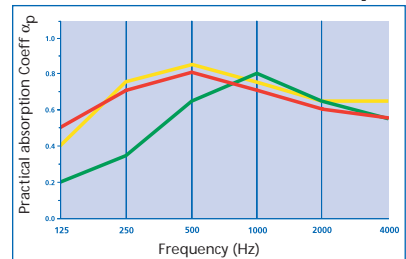


QUATTRO 55 Plank



Size	300 x 1800mm 300 x 2100mm
Thickness	12.5mm
Edge	E15 / A
Grid system	CasoLine T15p
Perforation size	12 x 12mm
Centres between holes	25mm
Perforated area	15%
Weight	8kg/m ²
Light reflectance	73%
System Reference	C10A034, C10A092, C10A098
Reaction to fire	Class 0 / Euroclass A2

Sound absorption coefficient α_p

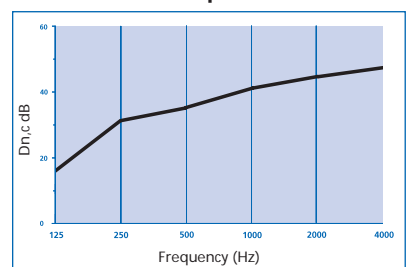


Practical absorption coefficient α_p								
Hz	125	250	500	1k	2k	4k	α_w	NRC
Red	0.50	0.70	0.80	0.70	0.60	0.55	0.65	0.70
Green	0.20	0.35	0.65	0.80	0.65	0.55	0.65	0.60
Yellow	0.40	0.75	0.85	0.75	0.65	0.65	0.75	0.75

Absorption Class / Plenum depth

- Class C / 187mm
- Class C / 45mm
- Class C / 45mm with 50mm Isover APR 1200

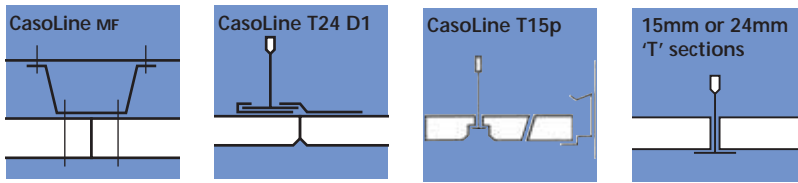
Sound insulation performance



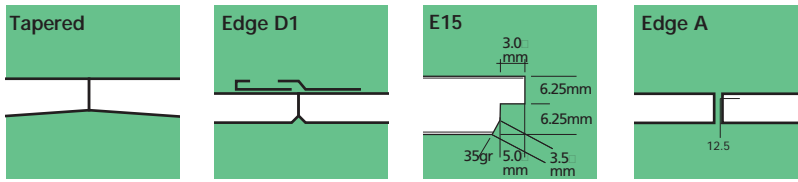
Sound insulation $D_{n,c}$							
Hz	125	250	500	1k	2k	4k	$D_{n,cw}$ (C:Ctr)
dB	16.6	31.0	35.9	41.5	44.9	47.0	39 (-2;-8)

(with 100mm Isover General Purpose Roll)

Grid systems



Edge profiles



Technical information

Limitations

Gyptone tiles, planks and boards are unsuitable for use in areas subject to continuously damp or humid conditions or subjected to temperatures consistently above 49°C. They can be exposed to freezing temperatures without risk of damage.

Standards

All British Gypsum ceiling products are manufactured under management systems which have been independently audited and certified as conforming with *ISO 9001: 2000*.

All Artec Gyptone products conform to *BS EN 14190: 2005* Gypsum plasterboard from reprocessing - requirements and test methods.

Products can be installed in accordance with relevant British Standards, in particular, reference should be made to *BS 8290: 1991 - Suspended ceilings*, which is published in 3 parts:

- Part 1:** Code of Practice for Design
- Part 2:** Specification for performance of components and assemblies
- Part 3:** Code of Practice for installation and maintenance.

Environment

Gyptone tiles, planks and boards are suitable for use under normal occupancy conditions. Buildings in which Gyptone is used should be dry, glazed and enclosed, with environmental conditions of no greater than 70% relative humidity at 10-20°C.

Handling and storage

British Gypsum fully accepts its responsibilities as a supplier of

building materials and systems as required by Section 6 of the Health and Safety at Work Act 1974. However, in designing and installing systems incorporating British Gypsum products, full consideration must be taken of the legal requirements of:

- 1 Manual Handling Operations Regulations.
- 2 Construction (Design and Management) Regulations.
- 3 Control of Substances Hazardous to Health Regulations (COSHH).

Product Data Sheets (giving product safety, handling and storage details) are available from:

www.british-gypsum.com.



Reaction to fire

The exposed surface of Gyptone tiles, planks and boards achieve Class 0 rating when tested to *BS 476: Parts 6 and 7*.

Under Building Regulations Part B 2000 -Amendment 2002, the exposed surfaces of Gyptone tiles, planks and boards are designated Euroclass A2.

Gyptone ceilings provide good fire performance owing to the unique behaviour of the non-combustible gypsum core when subjected to high temperatures.

Gypsum board is designated a material of 'limited combustibility' within Building Regulations 1991.



Acoustic performance

Sound absorption

Gyptone SIXTO, QUATTRO, POINT and LINE provide sound absorption when used in conjunction with an air space behind the ceiling.

Tests have been carried out to *BS EN 20354: 1993* and *ISO 354: 1985* with a range of plenum depths.

Increased levels of sound absorption can be achieved by including Isover glass mineral wool over the back of the ceiling.

The single figure rating practical sound absorption coefficients α_{wV} , shown in tables on pages 4 - 12 are calculated in accordance with *EN ISO 11654: 1997*.

The Noise Reduction Coefficient (NRC) figures shown in tables on pages 4 - 12, are calculated in accordance with *ASTM C423 -90a: 1992*.

Sound attenuation

Gyptone SIXTO, QUATTRO, POINT and LINE are perforated tiles, planks and boards with an integral acoustic tissue designed to provide sound absorption within the area they are installed. Where room-to-room sound insulation is required, the sound attenuation D_{ncw} can be increased to 39dB with the inclusion of 100mm Isover General Purpose Roll over the back of the ceiling. Alternatively, other design considerations can be adopted, such as extending adjoining partitions into the ceiling void or installing a plenum barrier.

Gyptone BASE is an unperforated product and has been tested to *BS EN 20140-9: 1994* for room-to-room sound insulation.

All products quote a System Reference. This is a unique number we allocate to all products and systems that references all the latest substantiations we hold. By quoting these figures on enquiries

about the system, we are able to give you the most accurate and up to date advice and information.

Sitework Installation

Gyptone boards are fixed using the **CasoLine MF**, **GypLyner** or **CasoLine CURVE** systems. A range of access panels are available that allow access to the ceiling void.

Gyptone D1 edge tiles are installed into CasoLine T24 D1 grid, and Gyptone planks are installed into CasoLine T15p grid systems.

Gyptone A and E15 edge tiles are installed in a 15mm or 24mm grid. The designer should ensure the system used is capable of supporting the tile load.

All ceiling tiles and planks are fully demountable, allowing access to the ceiling void.

For full installation details, please refer to the **WHITE BOOK** and the **Ceilings Installation Guide**.

Fixtures

Spot lights and downlighters are best located in Gyptone **BASE** or in the unperforated zones of other Gyptone designs.

Maintenance

Gyptone can be cleaned using a damp cloth. Most standard mild detergents can be used.

Gyptone can be re-decorated, if required, using a short haired roller and a suitable emulsion paint. The perforated tiles should not be spray painted as this may impair the sound absorption performance.

Finishing Gyptone boards

Refer to **WHITE BOOK** and **SITE BOOK**.

Main Gyptone LINE 6 boards



Gyproc, Thistle, Gyproframe, Glasroc and Arteco are all registered trade names of BPB United Kingdom Limited. Isover is a registered trade name of Saint-Gobain.

British Gypsum reserves the right to revise product specifications without notice. The information in this document was correct to the best of our knowledge at the time of publication. It is the user's responsibility to ensure that it remains current prior to use.

The information in this document is for guidance only and should not be read in isolation. Users should read and familiarise themselves with all the information contained in this document and ensure that they are fully conversant with the products and systems being used, before subsequent specification or installation.

For a comprehensive and up-to-date library of information visit the British Gypsum website at: www.british-gypsum.com

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