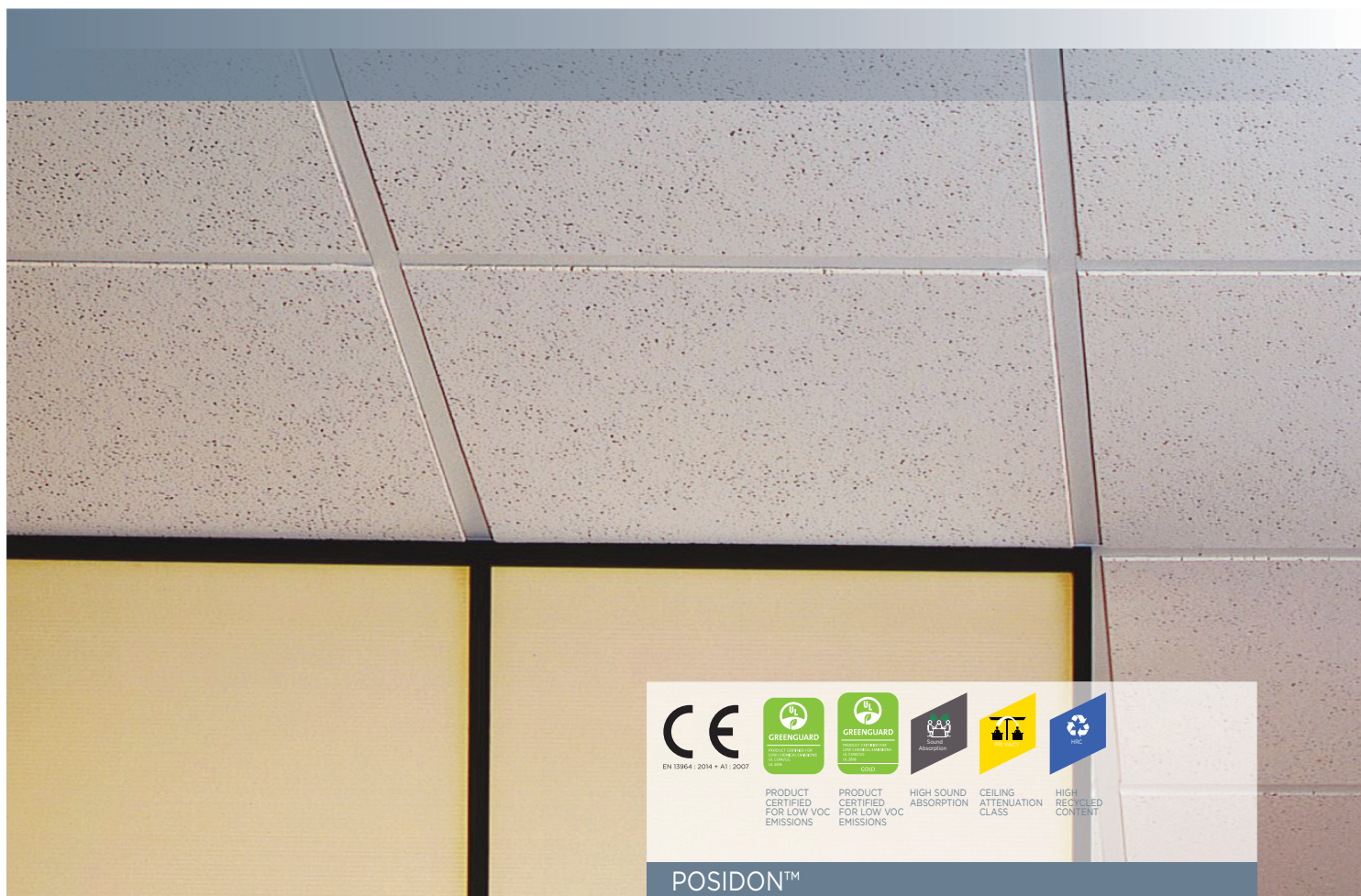


HIGH NRC MINERAL FIBER POSIDON™



EN 13964 : 2014 + A1 : 2007



PRODUCT
CERTIFIED
FOR LOW VOC
EMISSIONS



PRODUCT
CERTIFIED
FOR LOW VOC
EMISSIONS
GOLD



HIGH SOUND
ABSORPTION



CEILING
ATTENUATION
CLASS



HIGH
RECYCLED
CONTENT

POSIDON™

FEATURES AND BENEFITS

- Offered in standard pin perforation for ideal mid-range sound absorption & sound attenuation, providing balance to room acoustics.
- Excellent for general commercial construction.
- Excellent for critical lighting applications; Taiga Perforated achieves High Light Reflectance (LR- 0.86).
- Maximum economy and design simplicity.
- Also available in washable & hygienic paint.
- High sound absorption up to 0.7 NRC; specially formulated in 16mm HNRC & 19mm thickness for school and executive offices.

APPLICATIONS

- Schools
- Healthcare
- Corridors
- Lobby areas
- Executive offices
- Retail stores



ABSORPTION COEFFICIENT

Frequency, Hz	125	250	500	1000	2000	4000	NRC*
12mm	0.25	0.30	0.40	0.55	0.65	0.70	0.50
15mm	0.35	0.40	0.40	0.55	0.55	0.55	0.45
16mm HNRC	0.30	0.35	0.70	0.90	0.85	0.75	0.70
19mm	0.35	0.40	0.65	0.85	0.85	0.70	0.70

* Calculated to ASTM C 423-01



SPECIFICATIONS DETAILS

Posidon™ Acoustical
Ceiling meets specifications in
accordance with ASTM E1264 and
EN13964.

Materials Classification

Type A, Form A1.2, Pattern C, E
Substrate and Surface Finish

Mineral fiber substrate finished
with factory-applied water-based
paint

Thickness

12mm, 15mm, 16mm, 19mm

Size

600 x 600mm, 610 x 610mm,

600 x 1200mm, 610 x 1220mm

Edge Detail Trim

Square, Reveal [SLT, FLB]

Weight

12mm [2.85 kg/m², Regular/
ClimaPlus™],

15mm [3.6 kg/m² Regular/
ClimaPlus™],

16mm [3.85 kg/m² Regular/
ClimaPlus™],

19mm [4.5 kg/m² Regular/
ClimaPlus™]

Noise Reduction Coefficient
[NRC]

[0.45] [0.50] [0.70]

Ceiling Attenuation Class [CAC]
[35 - 37 dB]

Humidity Resistance

Maximum 99% RH / 40°C for
ClimaPlus™

Light Reflectance Coefficient
[LR]

0.86

Color

Standard White

Mold Prevention Application as
per ASTM D3273

Rate 9: Resistant to mold growth.

Surface Burning Characteristics
as per ASTM E84

Class A

Reaction to Fire as per EN 13501-1

Euroclass A2-s1, d0

Fire Rating as per BS 476

(Firechief™ Option)

1hr Time-rated assembly

Thermal Conductivity

$\lambda = 0.057 \text{ W/m}^{\circ}\text{K}$

VOC Class

Greenguard & Greenguard Gold
Formaldehyde Classification

Class E1 as per EN717-1

Washability / Scrubbability as

per ASTM D4828 & D2486

Exceeds 1000 Wash/Scrub cycles
without surface break or the

extent of abrasion upon request

Relevant LEED®Credit

EA Credit 1 | MR Credit 4 | MR

Credit 5 | MR Credit 6 | IEQ Credit

3 | IEQ Credit 3.2 | IEQ Credit 4.6 |

IEQ Credit 8.1 | IEQ Credit 9



TABLE OF PERFORMANCE

Edge Detail	Item	Size (mm)	NRC	CAC	Light Reflectance	Anti-Mold & Mildew/Sag Resistance	Fire Rating	Recycled Content	VOC Emission	Cost
SQ 	TPS662	600*600*12	0.50	35	86%			25%	Low	\$
	TPS222	610*610*12								
	TPS665	600*600*15	0.45	35	86%			25%	Low	\$
	TPS225	610*610*15								
	TPC665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPC225	610*610*15								
	TPC625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPC245	610*1220*15								
	TPC666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
SLT 	TPC226-HNRC	610*610*16								
	TPC669	600*600*19	0.70	37	86%			39%	Low	\$\$\$
	TPC229	610*610*19								
	TPSR665	600*600*15	0.45	35	86%			25%	Low	\$\$
	TPSR225	610*610*15								
	TPCR665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPCR225	610*610*15								
	TPCR625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPCR245	610*1220*15								
FLB 	TPCR666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
	TPCR226-HNRC	610*610*16								
	TPCR669	600*600*19	0.70	37	86%			39%	Low	\$\$\$
	TPCR229	610*610*19								
	TPSRF665	600*600*15	0.45	35	86%			25%	Low	\$
	TPSRF225	610*610*15								
	TPCRF665	600*600*15	0.45	35	86%			39%	Low	\$\$
	TPCRF225	610*610*15								
	TPCRF625	600*1200*15	0.45	35	86%			39%	Low	\$\$
	TPCRF245	610*1220*15								
	TPCRF666-HNRC	600*600*16	0.70	37	86%			82%	Low	\$\$\$
	TPCRF226-HNRC	610*610*16								
	TPSRF669	600*600*19	0.70	37	86%			39%	Low	\$\$\$
	TPSRF229	610*610*19								

Low Emissions (VOC)
Third party (GREENGUARD & GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health (CDPH) Standard Method V1.2-2017 using a Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2. UL. Tests are available on usgme.com and at spot.ul.com

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines. For Firechief™ products.

GRID PROFILE OPTIONS

DX/DXL SQ Edge	DXT SQ Edge	DX/DXL SLT Edge	DXT FLB Edge	DXF FLB Edge

