

HIGH NRC MINERAL FIBER TAIGA PERFORATED



TAIGA PERFORATED

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

Taiga Perforated 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 | \$\$\$ |
| | TPC226-HNRC | 610*610*16 | | | | | | | | |
| SLT | 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 | | | | | | | | |
| | 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 | | | | | | | | |
| FLB | 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 |
|-------------------|----------------|--------------------|-----------------|-----------------|
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