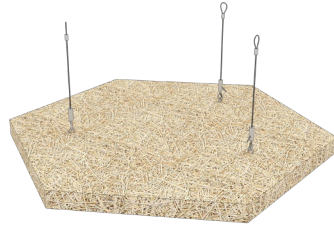
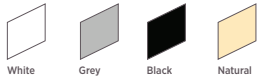


WOOD WOOL CANOPIES

VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



FEATURES & BENEFITS

- Skynest® acoustic canopies are a durable and environmentally friendly material made of top-quality wood wool and cement.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- By combining fire safety with good acoustic and heat insulation properties, this product offers the widest variety of design solutions.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach up to 0.65 NRC.
- Not only provides sound insulation but also absorbs excess moisture in rooms. Does not change shape or warp in high humidity rooms.
- Featuring endless shapes, system configuration and layouts allowing the designers for freedom in design.

APPLICATIONS

- Public and office premises
- Recording studios, radio and TV studios
- Schools and kindergartens
- Concert halls, theaters, cinemas
- Industrial and production premises
- Restaurants

SOUND ABSORPTION

| Frequency, Hz | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC* |
|---------------|------|-------------|-------------|-------------|-------------|------|-------------|
| 25mm | 0.60 | 0.60 | 0.55 | 0.65 | 0.85 | 0.95 | 0.65 |

* Calculated to ASTM C 423-01

SUSPENSION SYSTEM

Consists of a stainless-steel Screw eye hook dropping from the soffit that is fixed on the tiles through helicoidal rotation. Screw hook accessories are adjustable to suit different plenum heights. The Screw hook is designed to safely hold the tile weight of a floated ceiling.

Materials Classification Stainless Steel 1.5mm screw diameter with breaking force of 2.10 KN with eye diameter of 12mm and total height of 40mm

Product Specs Suspension Rope with Cable Gripper & Hook 1.5mm wire diameter

ASTM & Code Standards Stainless Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic

Stainless Steel Wire that exceeds design load requirements of ASTM C635

SKYNEST®

WOOD WOOL CANOPIES



HIGH SOUND
ABSORPTION



CERTIFIED FOR
THE PROGRAMME
FOR THE
ENDORSEMENT
OF FOREST
CERTIFICATION



CONFORMITÉ
EUROPÉENNE



CERTIFIED
FOR FSC

SPECIFICATION DETAILS

SkyneSt® Wood Wool Acoustical Ceiling meets the specifications in accordance with EN 13964.

Material Classification

Type: XIV

Pattern: L

Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide aesthetic value. With original surface texture, there is an unlimited choice of colors. Due to the natural ingredients, the panels ensure a comfortable micro-climate, typical of premises constructed from wood.

Substrate and Surface Finish

Wood Wool substrate finished with factory applied paint finish

Wood Wool

0.5mm, 1mm, 1.5mm, 3mm*

Panel Thickness

25mm

Edge Detail Trim

Square blade

Weight

1mm Wood Wool:

25mm: 10.5 kg/m²

1.5mm Wood Wool:

25mm: 9.8 kg/m²

* 3mm Wood Wool are available upon request, refer to our technical department for more information

Noise Reduction Coefficient [NRC]

[0.60] [0.65] [1.0]

Color

Natural, white, black, grey, or painted according to RAL color chart.

Reaction to Fire as per EN 13501-1

1mm Wood Wool: A2-s1, d0

1.5mm Wood Wool: B-s1, d0

Thermal conductivity

$\lambda = 0.066$ W/mK

Maintenance

Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with warm water and wipe surface

Additional Information

- USG Middle East's SkyneSt® Wood Wool Canopies are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Panels must be ordered in multiples of two.
- Take care to minimize movement due to airflow within a space.
- 3mm Wood Wool is available upon request. Consult your USG Middle East sales office.
- Available in different shapes & configuration.



Superfine
1 mm Wood Wool Strand Width



Fine
1.5 mm Wood Wool Strand Width



Regular
3 mm Wood Wool Strand Width

SKYNEST®

SKYNEST® WOOD WOOL BAFFLES



SYSTEMS CONFIGURATIONS*

| | |
|-------------------------|-----------------------------|
| <p>Square</p> | <p>Parallelogram</p> |
| <p>Rectangle</p> | <p>Trapezoid</p> |
| <p>Hexagon</p> | <p>Triangle</p> |
| <p>Concave</p> | <p>Convex</p> |
| <p>Circle</p> | <p>Trapezoid</p> |

* Refer to USG Middle East technical team for the size limitation and suspension accessories. Other configurations are available upon request.

Notice: As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to usgme.com for the updated products information document.
 ©2023 **Factory of USG Middle East LTD. Co.** All rights reserved.