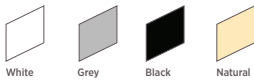


SKYNEST®

WOOD WOOL BAFFLES

VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS



FEATURES & BENEFITS

- Skynest® acoustic baffles are made of a durable and nature-friendly material of top-quality wood wool and cement.
- Certified for FSC and the Programme for the Endorsement of Forest Certification (PEFC).
- This product offers the widest variety of design solutions by combining fire safety with good acoustic and heat insulation properties.
- Can achieve various required sound absorption parameters. The extended sound absorption coefficient can reach up to 0.65 NRC.
- It not only provides sound insulation but also absorbs excess moisture in rooms. Does not change shape or warp in high-humidity rooms.

APPLICATIONS

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

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

It 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 hold the tile weight of a floated ceiling safely.

Materials Classification

Stainless Steel 1.5mm screw diameter with a breaking force of 2.10 KN with an eye diameter of 12mm and a 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. Design load requirements as per ASTM C635.



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SPECIFICATION DETAILS

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

Material Classification

Type E, Form E1, E3, Pattern L

Benefits

The panels are suitable for use in premises with a wide range of temperatures and air humidity and provide pleasing 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

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

Noise Reduction Coefficient [NRC]

[0.60] [0.65]

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

$\lambda = 0.066 \text{ W/mK}$

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

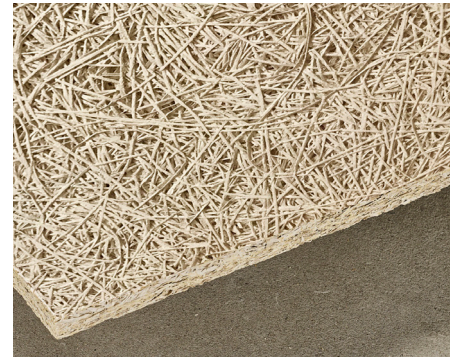
- USG Middle East's Skynest® Wood Wool Baffles are flat. However, they will exhibit an inherent deflection, which may be more apparent as the proximity to adjacent surfaces is reduced. This deflection should be no more than 5mm. Local environmental conditions may increase this variance.
- Take care to minimize movement due to airflow within a space.



Superfine
1 mm Wood Wool Strand Width



Fine
1.5 mm Wood Wool Strand Width



Regular
3 mm Wood Wool Strand Width



SKYNEST®

WOOD WOOL BAFFLES



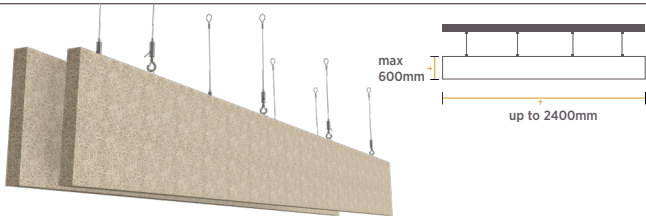
CONFORMITÉ
EUROPÉENNE



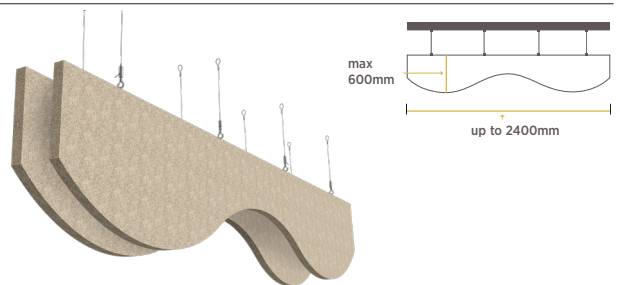
CERTIFIED
FOR FSC

SYSTEMS CONFIGURATIONS*

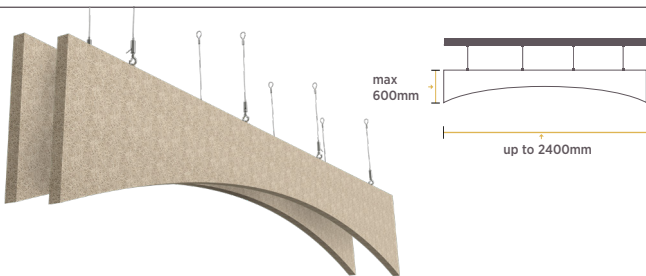
Straight



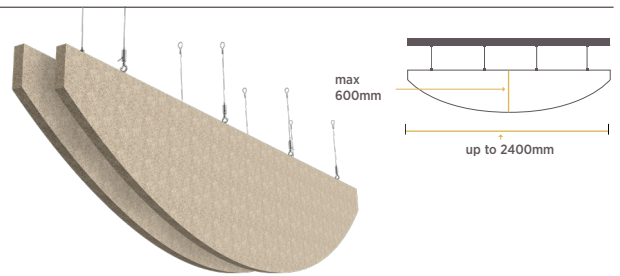
Wavy



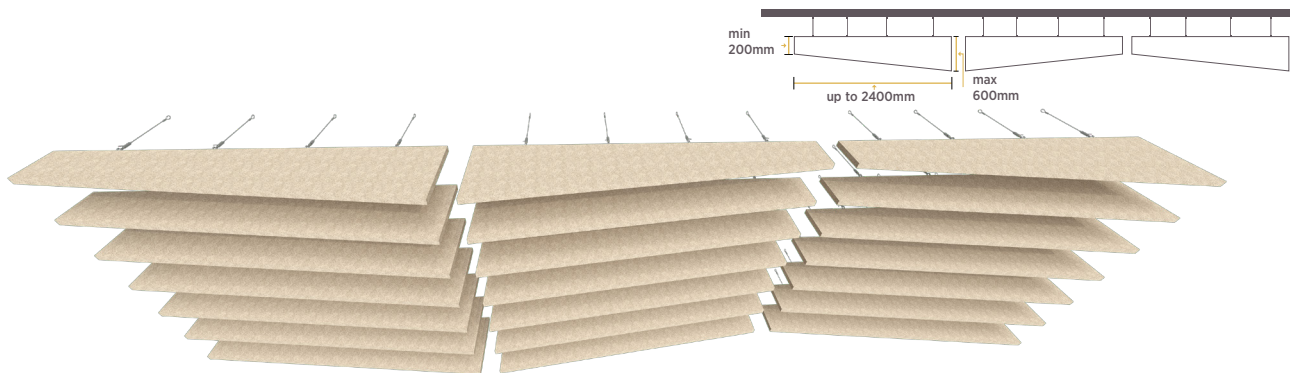
Concave



Convex



Zigzag



* 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.
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