SKYNEST
WOOD WOOL BAFFLES

VISIT USGME.COM TO ORDER SAMPLES

FINISH OPTIONS

White | Grey | Black | Natural

Custom RAL Color *

*Check with our technical team for lead time delivery

SKYNEST WOOD WOOL BAFFLES

FEATURES & BENEFITS

- Skynest acoustic baffles are a durable and nature 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 αw 0.65.
- 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	αw*
25mm	0.25	**0.45**	**0.55**	**0.55**	**0.70**	0.85	**0.60**
35mm	0.30	**0.50**	**0.60**	**0.60**	**0.75**	0.90	**0.65**

*Calculated to EN ISO 11654

USG BORAL
INNOVATION INSPIRED BY YOU.™

SKYNEST WOOD WOOL BAFFLES

HIGH SOUND ABSORPTION

CERTIFIED FOR THE PROGRAMME FOR THE ENDORSEMENT OF FOREST CERTIFICATION

CONFORMITÉ EUROPÉENE

CERTIFIED FOR FSC

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

SPECIFICATION DETAILS

Skynest Wood Wool Baffles
Ceiling meets the requirements in accordance with EN 13964.

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.
Ecology – the material is produced in an environmentally-friendly way
Health – provides a positive, healthy environment
Aesthetics – a wide range of colors, textures and finishes
Acoustics – excellent sound insulating and absorbing properties
Durability – does not become deformed or lose its properties over time
Fire safety – high fire safety indicators (A2-s1, d0 and B-s1, d0)
Heat-insulation – excellent insulation properties

Materiel Classification
Type XIV, Excelsior bonded with inorganic binders
Pattern: L, random swirl

Substrate and Surface Finish
Wood Wool substrate finished with factory applied paint finish

Wood Wool
1mm, 1.5mm, 3mm*

Panel Thickness
25mm, 35mm

Edge Detail Trim
Square blade

Weight
1mm Wood Wool:
25mm: 11.5 kg/m^2
35mm: 14.5 kg/m^2
1.5mm Wood Wool:
25mm: 10.5 kg/m^2
35mm: 13.5 kg/m^2
3mm Wood Wool:
25mm: 11.5 kg/m^2
35mm: 14.5 kg/m^2

Sound Absorption [αw]
0.55 - 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
λ = 0.066 W/mK

Thermal Resistance
25mm: 0.35 m^2 K/W
35mm: 0.5 m^2 K/W

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.
- 3mm Wood Wool is available upon request. Consult your USG Middle East sales office.

Superfine
1 mm Wood Wool Strand Width

Fine
1.5 mm Wood Wool Strand Width

Regular
3 mm Wood Wool Strand Width

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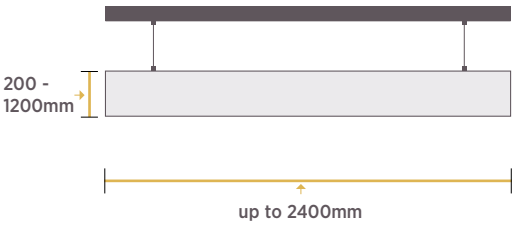
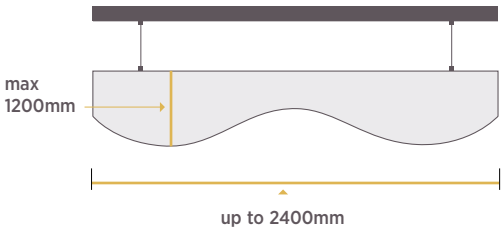
SYSTEMS CONFIGURATIONS*

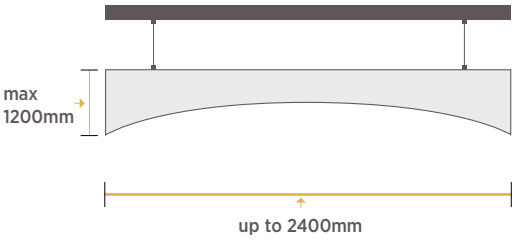
Straight



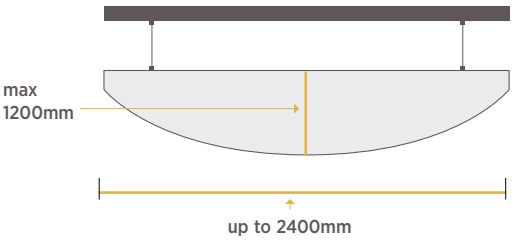
Wavy



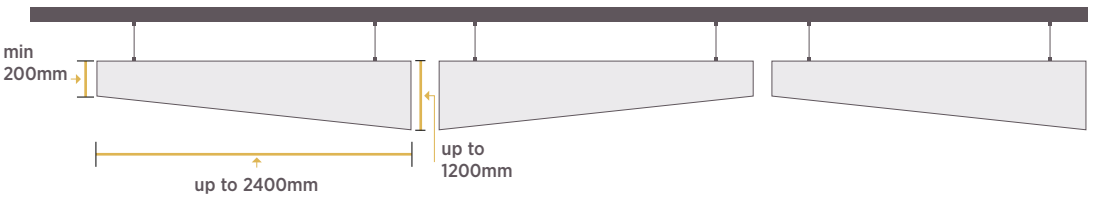
Concave



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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