



SPEKTRA

MLS diffusers



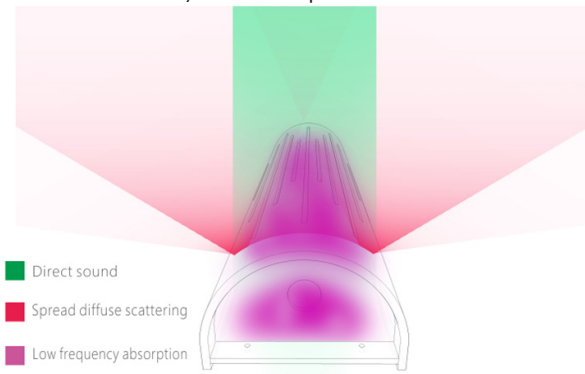
ARC DIFFUSER

DATA SHEET ARC300

DIFFUSION / ABSORPTION



3D absorption/diffusion prediction model



APPLICATION:

Controlling reverberation time and standing waves in recording and broadcasting studios, private entertainment rooms, multi-function halls, home theaters and concert venues.

PRODUCT FEATURES:

ARC300's 180° curved and slotted surface combines best of both worlds: mid-high frequency diffusion and low frequency absorption, producing balanced and natural listening experience.

BASE MATERIAL:

Imported Birch

FINISH:

Cherry wood top coat / PU plain paint

ACOUSTIC STRUCTURE:

180° curved diffusing surface with slots, back cavity with high-density acoustic material for the broadband absorption

ECO-FRIENDLY:

Zero Formaldehyde emission; E0 friendly PU paint

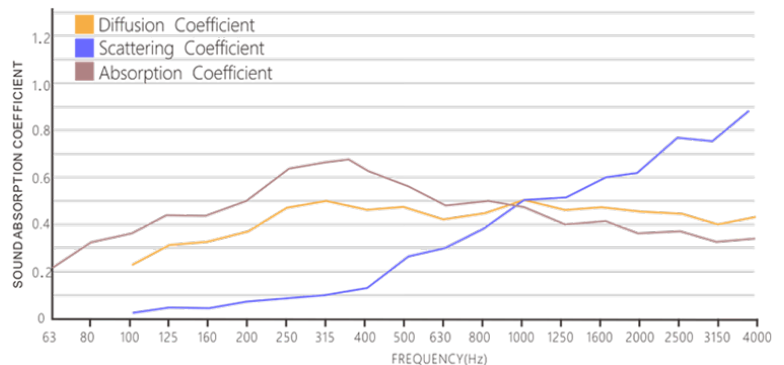
SIZE & WEIGHT:

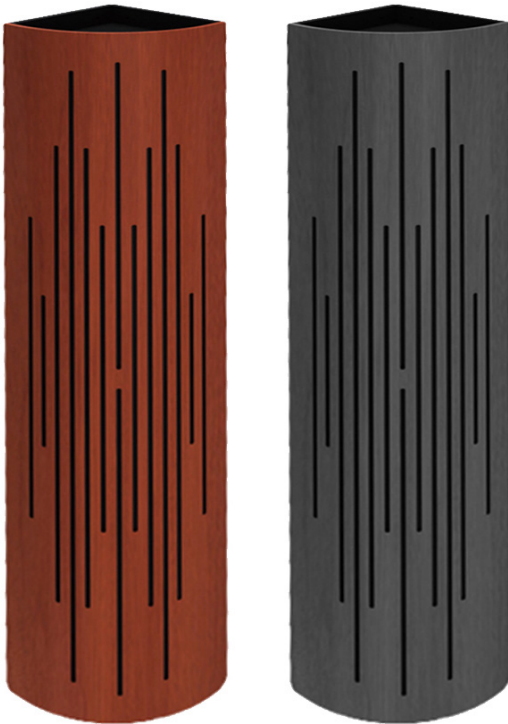
600mm (H) x 300mm (W) x 150mm (T) - ≤5kg
 1200mm (H) x 300mm (W) x 150mm (T) - ≤9.23kg
 1800mm (H) x 300mm (W) x 150mm (T) - ≤14kg

AVAILABLE COLORS:



DIFFUSION/ABSORPTION COEFFICIENT:





APPLICATION:

Controlling low frequency standing waves, ARC 300W Bass Trap is designed to fit into the corners of recording studios, private entertainment rooms, home theaters and concert venues.

PRODUCT FEATURES:

ARC300B's 90° curved and slotted surface combines best of both worlds: mid-high frequency diffusion and low frequency absorption, producing balanced and natural listening experience.

BASE MATERIAL:

Imported Birch

FINISH:

Cherry wood top coat / PU paint

ACOUSTIC STRUCTURE:

90° curved diffusing surface with slots, back cavity with high-density acoustic material for the broadband absorption.

ECO-FRIENDLY:

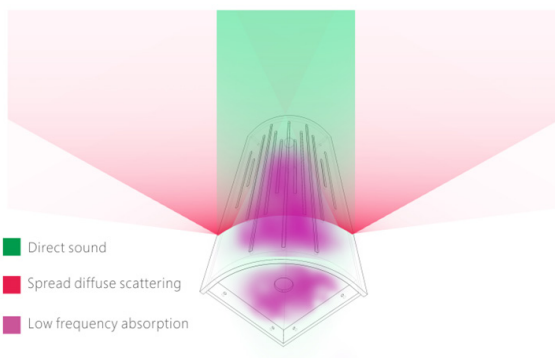
Zero Formaldehyde emission; E0 friendly PU paint

SIZE & WEIGHT:

1200mm (H) x 300mm (W) x 300mm (T) - ≤11.5kg

1800mm (H) x 300mm (W) x 300mm (T) - ≤17kg

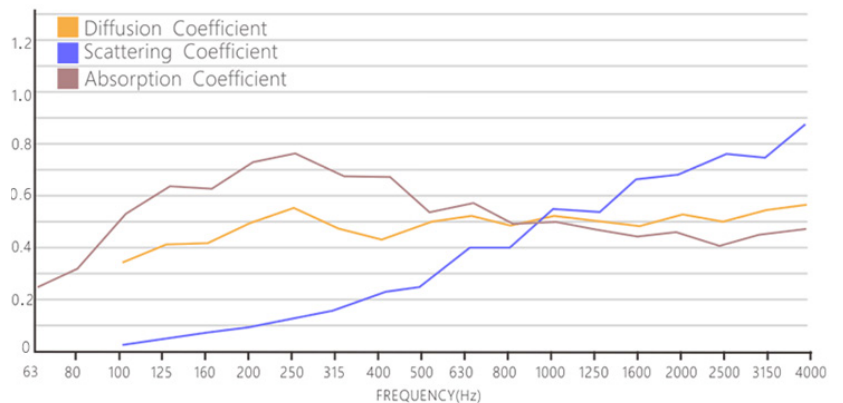
3D absorption/diffusion prediction model



AVAILABLE COLORS:



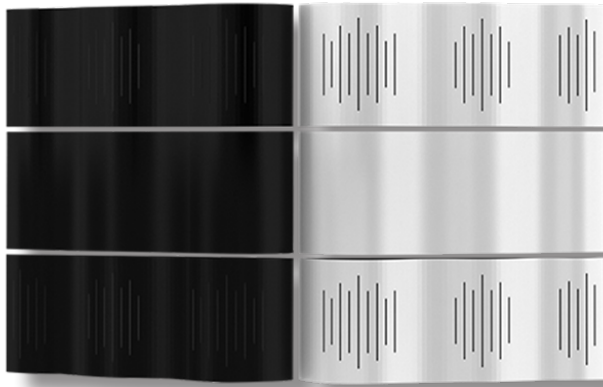
DIFFUSION/ABSORPTION COEFFICIENT:



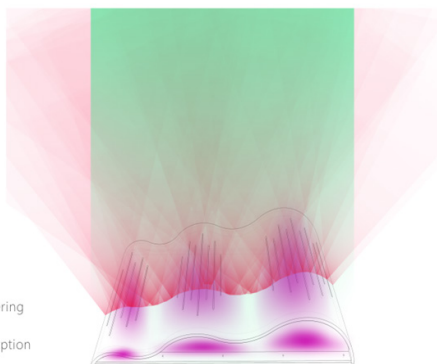
PEAK DIFFUSER

DATA SHEET PEAK2000 D&A / PEAK2000 D

DIFFUSION / ABSORPTION



3D absorption/diffusion prediction model



AVAILABLE COLORS:



APPLICATION:

The Peak2000 diffuser is an ideal solution for high frequency diffusion, while absorbing low broadband frequencies in music and multi-purpose halls, home cinemas, recording studios, HI-FI listening rooms and other critical listening environments.

PRODUCT FEATURES:

Uniquely curved diffusing surface combines best of both worlds: mid-high frequency diffusion and low frequency absorption, producing balanced and natural listening experience, without excess energy and flutter echo in a room.

BASE MATERIAL:

Imported Birch

FINISH:

Cherry wood top coat / PU paint

ACOUSTIC STRUCTURE:

Curved diffusing surfaces, superimposed onto three octaves, with slots for absorbing broadband frequency with low-frequency cavities, filled with high-density acoustic material.

ECO-FRIENDLY:

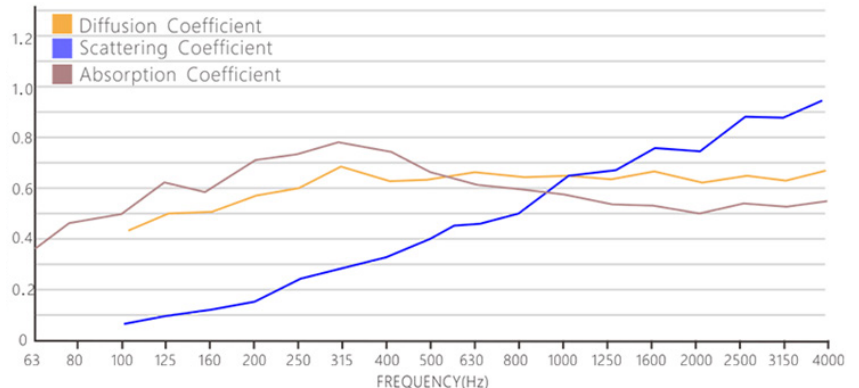
Zero Formaldehyde emission; EO friendly PU paint

SIZE & WEIGHT:

PEAK2000D&A - 2000mm (H) x 400mm (W) x 200mm (T) - ≤32kg
 PEAK2000D&A - 2000mm (H) x 800mm (W) x 200mm (T) - ≤42.5kg

PEAK2000D - 2000mm (H) x 400mm (W) x 200mm (T) - ≤22kg
 PEAK2000D - 2000mm (H) x 800mm (W) x 200mm (T) - ≤43.3kg

ABSORPTION COEFFICIENT:



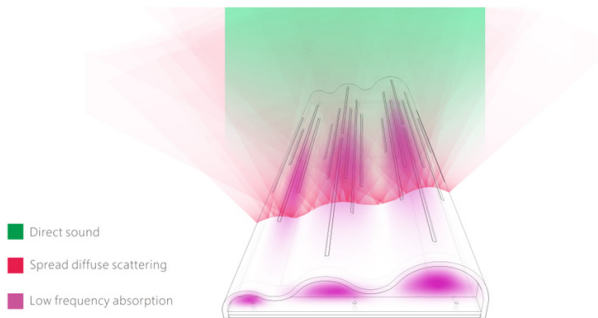
WAVE BASSTRAP

DATA SHEET WAVE600

DIFFUSION / ABSORPTION



3D absorption/diffusion prediction model



APPLICATION:

Controlling low frequency standing waves and room modes, Wave600 is designed to be mounted on the walls of recording studios, home theaters, concert venues and other critical listening environments.

PRODUCT FEATURES:

Wave600 curved and slotted surface combines best of both worlds: mid-high frequency diffusion and low frequency absorption, producing balanced and natural listening experience. Tuned for absorption between 250-550Hz.

BASE MATERIAL:

Imported Birch

FINISH:

Cherry wood top coat / PU paint

ACOUSTIC STRUCTURE:

Three curved diffusing surfaces with slots and cavities with high-density acoustic material for the broadband absorption.

ECO-FRIENDLY:

Zero Formaldehyde emission; E0 friendly PU paint

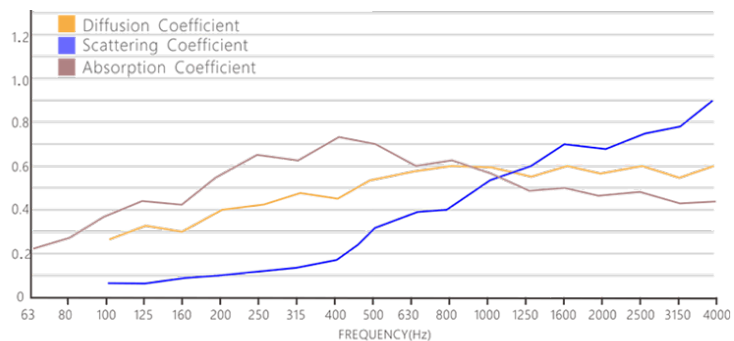
SIZE & WEIGHT:

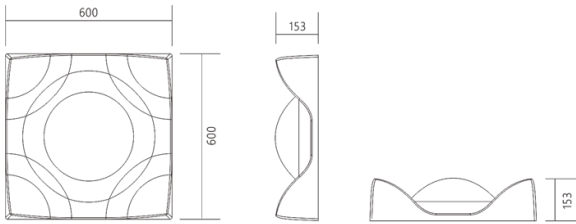
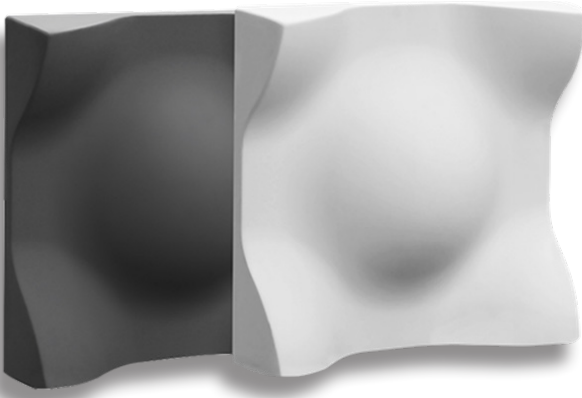
600mm (H) x 600mm (W) x 160mm (T) - ≤9.5kg
 1200mm (H) x 600mm (W) x 160mm (T) - ≤19kg
 1800mm (H) x 600mm (W) x 160mm (T) - ≤28kg

AVAILABLE COLORS:

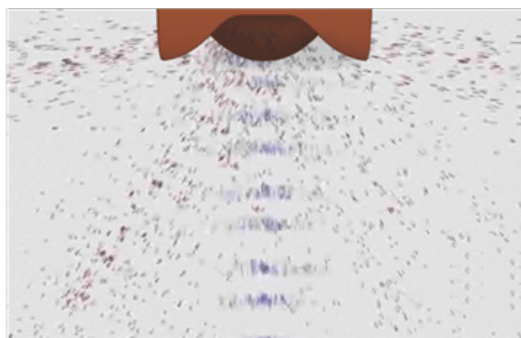
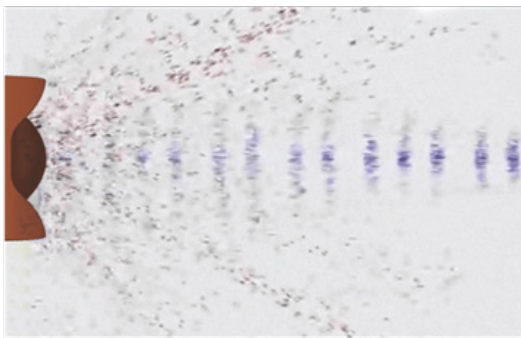


DIFFUSION/ABSORPTION COEFFICIENT:





3D diffusion prediction model



APPLICATION:

Controlling reverberation time, flutter echo and standing waves, it is ideal for the facade walls in music halls, pubs, night clubs, music practicing rooms, home theaters and other critical listening environments.

PRODUCT FEATURES:

PEAK5Q is convex diffuser that scatters reflected sound energy back to the space. High-efficiency 180° radiating surface provides even diffusion and dispersion. Combined modules can form large architectural clusters on the ceilings and/or the walls.

BASE MATERIAL:

100% recyclable glass-reinforced plastic, fire rating A

FINISH:

ECO PU paint / water-based paint

ECO-FRIENDLY:

Zero Formaldehyde emission; E0 standard

SIZE:

600mm (H) x 600mm (W) x 90mm (T)

WEIGHT:

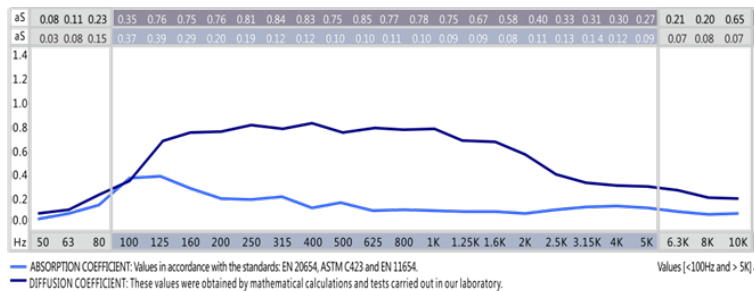
Without LED - 5.6kg/pc

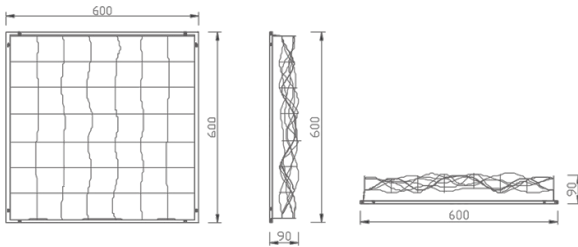
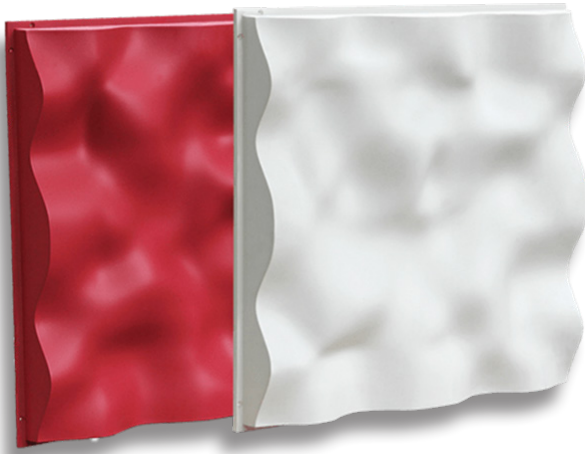
With LED - 6.2kg/pc

AVAILABLE COLORS:

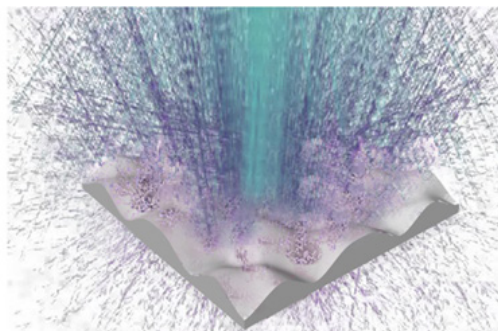
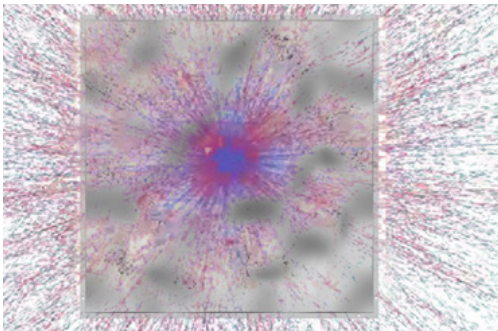


ABSORPTION/DIFFUSION COEFFICIENT:





3D absorption/diffusion prediction model



APPLICATION:

Controlling reverberation time and flutter echo, it is ideal for facade walls in music halls, night clubs, music rooms, home theaters, recording and broadcasting studios and other critical listening environments.

PRODUCT FEATURES:

Uniquely design diffuser with asymmetrical base model and aperiodic waveform shape. When combined to large clusters, modules form seamless waveform shape.

BASE MATERIAL:

100% recyclable glass-reinforced plastic, fire rating A

FINISH:

ECO PU paint / water-based paint

ECO-FRIENDLY:

Zero Formaldehyde emission; E0 friendly PU paint

SIZE:

600mm (H) x 600mm (W) x 90mm (T)

WEIGHT:

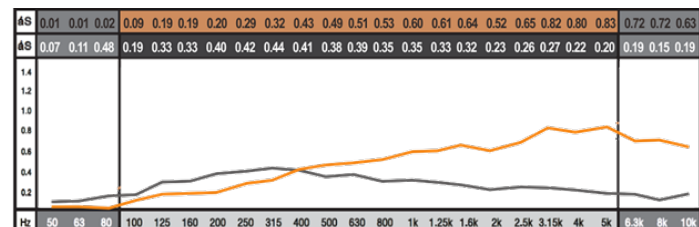
Without LED - 5.6kg/pc

With LED - 6.2kg/pc

AVAILABLE COLORS:



ABSORPTION/DIFFUSION COEFFICIENT:



— ABSORPTION COEFFICIENT: Values in accordance with the standards: EN 20554, ASTM C423 and EN 11654.

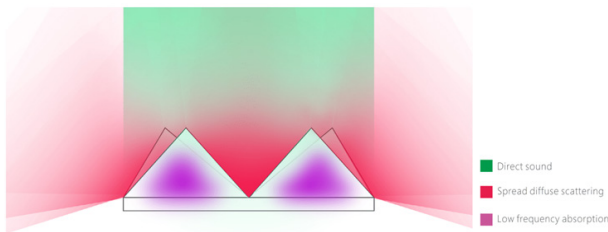
— DIFFUSION COEFFICIENT: These values were obtained by mathematical calculations and tests carried out in our laboratory.

||| Values <100Hz and >

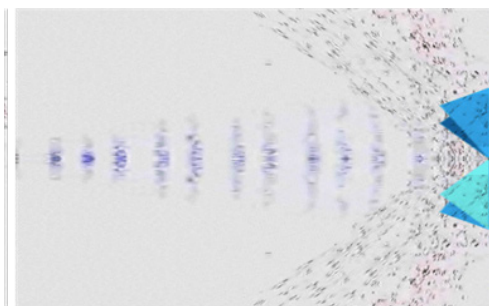
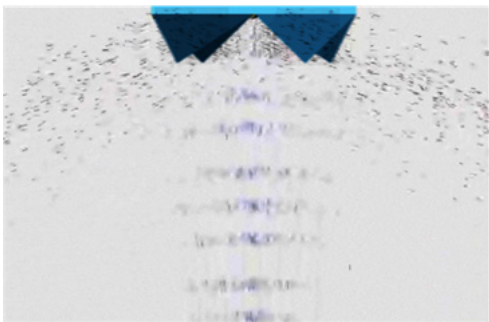




3D absorption/diffusion prediction model



3D diffusion model



APPLICATION:

Attacking standing waves, flutter echoes and reducing reverberation time in music and multi-purpose halls, home cinemas, recording studios, HI-FI listening rooms and other critical listening environments.

PRODUCT FEATURES:

Stylish conical diffuser surface with low frequency absorption cavity, producing balanced and natural listening experience in a room.

BASE MATERIAL:

Acrylonitrile butadiene styrene (ABS)

FINISH:

PU paint / water-based paint / flocking

ACOUSTIC STRUCTURE:

PYRAMID4Q conical surface diffuser follows the design of 1/4 un-symmetrical reflection phases with high-density acoustic material filled back cavity.

ECO-FRIENDLY:

100% recyclable

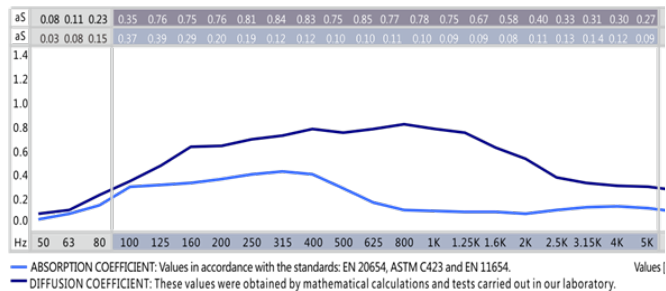
SIZE & WEIGHT:

600mm (H) x 600mm (W) x 200mm (T), 4kg/pc

AVAILABLE COLORS:



ABSORPTION COEFFICIENT:



DIFFUSION



APPLICATION:

MLS8000 is ideal for large spaces that need to achieve rich musical sense of space and natural room ambiance. Best for diffusion in music halls, theaters, recording studios and other critical listening environments.

PRODUCT FEATURES:

MLS8000 is solid wood diffuser, with panel designed to seamlessly form walls of diffusing surface.

BASE MATERIAL:

Solid Rubberwood / HDF flame retardant board / MDF

FINISH:

Veneer paint / PP finishing / HPL / PU matte paint

ECO-FRIENDLY:

Zero Formaldehyde emission, E0 friendly PU paint

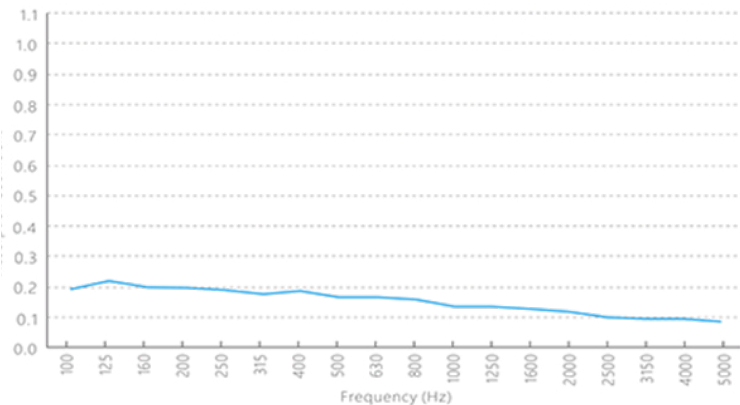
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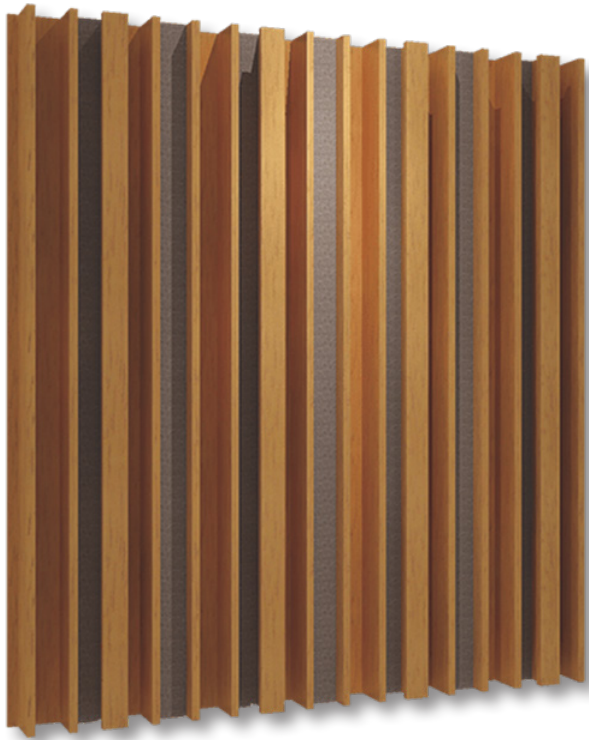
1200mm (H) x 3100mm (W) x 175mm (T)

AVAILABLE COLORS:



ABSORPTION COEFFICIENT:





APPLICATION:

DIY300 is ideal for spaces that need reflection and absorption treatment. To achieve rich musical sense of space and natural room ambiance. Best for diffusion in music halls, theaters, recording studios and other critical listening environments.

PRODUCT FEATURES:

DIY300 is solid wood diffuser with adjustable sound absorption soft strips. Great diffuse field or more absorption, DIY300 can tackle a room that has more than two acoustic demands. With fast and easy adjustment - adding or removing absorption strips.

BASE MATERIAL:

Solid Rubberwood

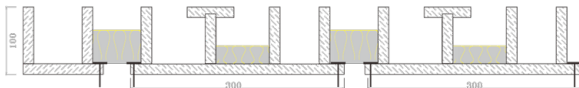
FINISH:

Raw wood / NC paint

SIZE:

2400mm (L) x 300mm (W) x 100mm (T)

AVAILABLE COLORS:



ABSORPTION COEFFICIENT:

