

DIFFUSE™

DIFFUSE HIGH

Ultimate High Definition Acoustical Treatment

DIFFUSE High is the most useful and diversely applicable product in the DIFFUSE line. The variable acoustical properties of DIFFUSE High affords designers a wide degree of latitude when approaching acoustical layouts. Accordingly, you'll find DIFFUSE High throughout the World in diversified and demanding applications.

Application: Performance spaces, auditoria, recital halls, lecture halls, band practice facilities, orchestra pits, recording studios, recording control rooms, broadcast studios, production and post-production facilities, critical listening rooms, home theaters, conference rooms, and public spaces.

Characteristics: We engineered DIFFUSE High as a mid to high bandwidth acoustic diffusion treatment. However, the narrow width and optional slotting offer the opportunity for elevated levels of creativity within the design space.

The addition of absorptive materials behind the panels allows engineers to add absorption where needed (see acoustical data).

Finishes: Maple hardwood core available in a variety of stains, paints, and veneers available. MDF core available with raw or vinyl (FR available).

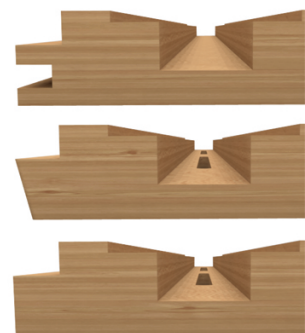


Mounting: Direct mounting with finish nails, tongue and groove or straight sides, standoffs in three different lengths - 1.00, 1.75, and 2.50 inches. Consult an acoustical engineer for the appropriate application.

Panel Size Options: Width: 4" Depth: 1" Lengths are available from 2' through 10' in standard and custom sizes. Each variation is available with or without slots.

Fire and Environmental: All MDF materials are available with Class A fire rating. All wood products are sustainably sourced and FSC Certified. LEED v4 credit and pilot credit qualified.

Acoustical Data: Extensive acoustical test data is available through our website, including diffusion/scattering tests in agreement with ISO 17947-2 and a variety of absorption tests under ASTM C-423. Additional testing data including attenuation balloons, polar response, spectral decay and impulse response available upon request.



ARITHMETIC

P.O. Box 11074, Denver, Colorado 80211 | 720.255.1604 | www.arithmetic-design.com