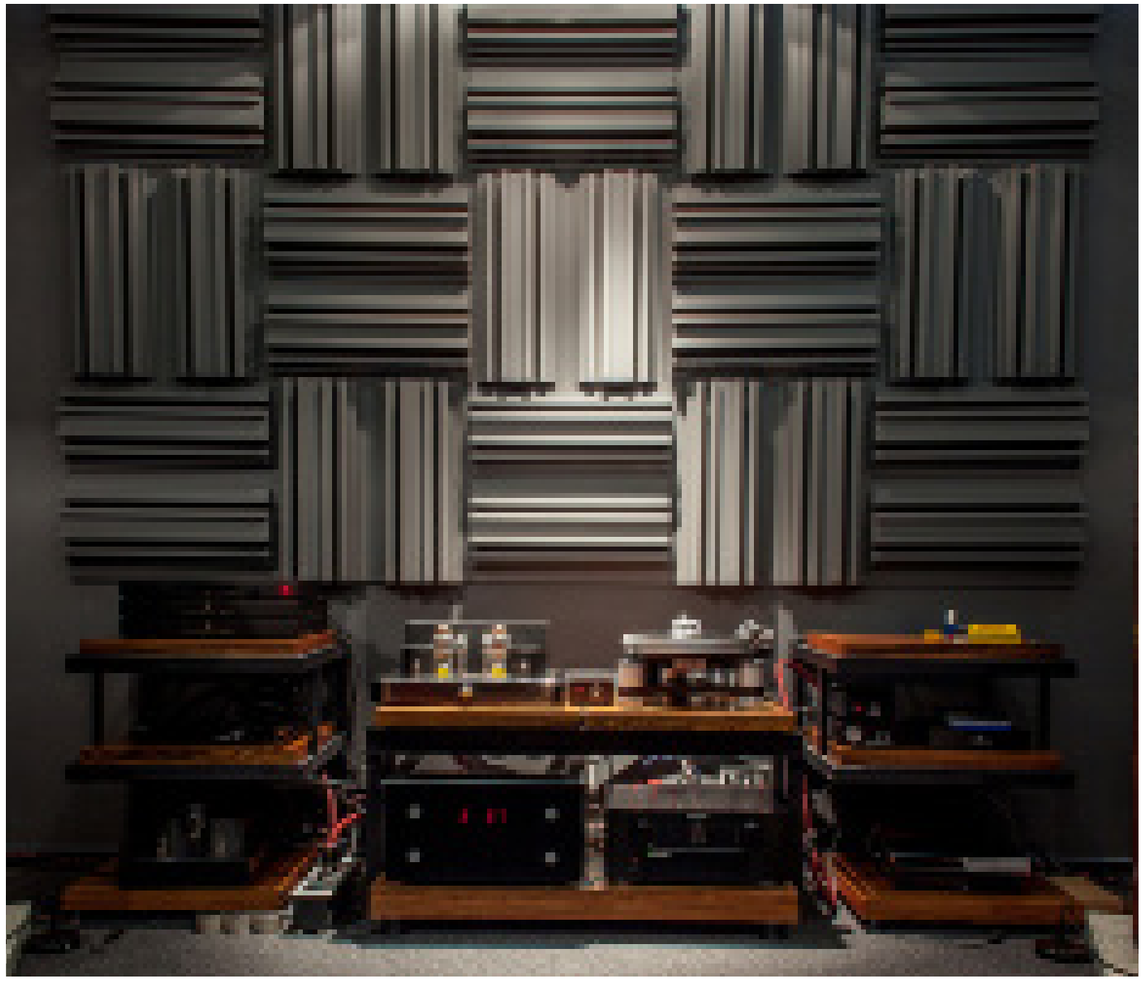


SKYLINE

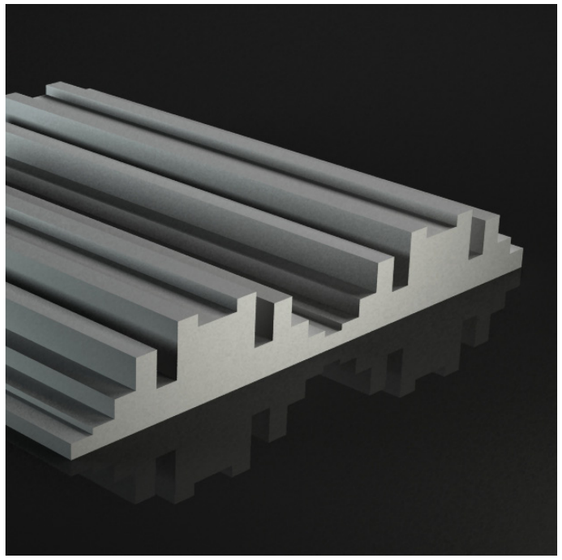
DIFFUSER

PRODUCT CHARACTERISTICS

Schroeder's one-dimensional diffuser is a classic diffusion panel that is ideal for both professional studios and private home cinema. It owes its popularity to its design, whose mode of action has been mathematically described and whose effectiveness has been confirmed in laboratory tests worldwide. Ceiling or wall mounted, it provides excellent sound wave dispersion in the 1400Hz-7480Hz range, for a wide range of angles, improves perceived sound quality, reduces reverberation time and protects against the formation of flutter echoes. As part of a comprehensive acoustic adaptation, we can prepare a custom panel to meet the acoustic needs of a specific room.

SKYLINE

DIFFUSER



PRODUCT PROPERTIES

WATER ABSORPTION	H0
FIRE CLASS	E
PAINTING	water paints only
SHOCK RESISTANCE	high
SURFACE STRUCTURE	slightly rough
EXERTION OF SURFACE PRESSURE	not recommended
REACTION TO UV LIGHT	no discolouration
BENDING POSSIBILITY	none

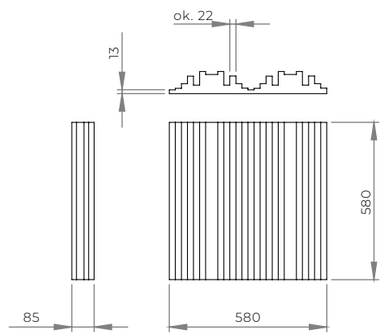
MATERIALS

Diffusion panels are made of XPS material (polystyrene extracted), they are self-extinguishing, with a fire reaction class: Euroclass E, with increased mechanical compressive strength. The product is also characterized by minimal water absorption and very good thermal insulation. Despite the increased compressive resistance, the material is deformable (that is, after deformation does not return to the original mold) – it is not recommended to produce pressures on the surface of the panel.

OTHER

XPS diffusion panels are available in any colour from the Flugger colour palette. The varnish is applied with a spray technique, which guarantees a durable and uniform color coating. Raw panels can be painted on their own with any acrylic or latex paint (acetone-free paints). The panel consists of twelve independent rows. Due to the production process, the panels may differ in dimensions of +/-3mm.

TECHNICAL DRAWINGS



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