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Creating effective and controlled diffusion within a specific frequency range has always been one of the greatest challenges for acousticians. With regard to this, Vicoustic has developed an optimal curve that creates an elliptical diffuser producing effective scattering.

Poly Fuser QR is made entirely of wood. A quadratic residue sequence is combined with a curve allowing diffusion pattern in 2 dimensions (effective between 400Hz and 5kHz).

When the diffuser is placed in a vertical position, the quadratic residue sequence will effect / determine the diffusion on the horizontal axis. The curve will effect / determine the diffusion on the vertical position. Because Poly Fuser QR is made entirely of wood, greater diffusion effects can be achieved at lower frequencies. Diffusion is an excellent solution for comb filtering problems, response cancellation and slap echo problems. In addition, diffusion gives a sense of spaciousness to music by addressing the issues without over-deadening the acoustic. Designed for Hi-Fi rooms, venues, houses of worship, conference centres and music rehearsal spaces, or any other space where acoustic treatment may be required.

#### Features:

- N11 quadratic residue sequence diffuser design 1st Axis
- Poli Cylindrical design 2nd Axis
- 5 colors available: Black, White, Light Brown, Nordic and Cherry
- Quality construction that will work on walls. Made entirely of wood.
- Mechanical wood suspension system + Adhesive

#### Applications:

Lecture Halls, Distance, Learning Rooms, Public Spaces, Auditoriums, Performance Spaces, Recording Studios etc.

#### Main Info

Ref: U00023  
EAN13: 5600301840999  
HS-Code: 44101110  
Dimensions: 597.0 x 597.0 x 130.0 mm  
Scratch Resistance: No  
Washable: No

#### Performance

Functionality: Diffusion  
Absorption Frequency: Medium  
alpha with Shape Indicators: 0.20 (L)  
NRC: 0.200

## Technical File

Fire Class European (EN): Euroclass E

## Shipping

Units Per Box: 1 box  
Box Dimensions: 695.0 x 625.0 x 245.0 mm  
Box Weight: 18.0 kg

## Row Materials

Material: Wood  
Wood Type: Mdf Painted

## Design

Wood Color: Cherry  
Edges: Angled

## Installation

Place: Wall  
Fixing Type: Screwed

*Technical File*