

# NATURE SCREEN

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## Sound absorption in Nature Screen

The sound absorption values are calculated based on the effective area, which covers the perforated regions. This provides a more accurate picture of the construction's efficiency. The non-perforated edges primarily absorb sound at frequencies above approximately 2000 Hz, which explains why absorption values exceed 1 (100%) at these frequencies.

In the speech frequency range, the partition walls have the following average values for the effective area:

### Effective areal in the screens: 0.87

The partition walls also have good sound absorption at low frequencies (below 500 Hz), which can help reduce noise from appliances such as coffee machines, printers, refrigerators, as well as footstep noise. The average value below 500 Hz is 0.52, while panels under desks typically have a value of only 0.05.

Since these are in open space, the absorption values in the documentation should be stated as absorption area (square meters) per partition wall, rather than as percentage efficiency, as defined by the standard.



Absorptionskoefficient for effektivt areal - Skærmvæg 3300 huller vs 836 huller

