ReSorb

BAFFLES & ISLANDS

ACOUSTICS
by design

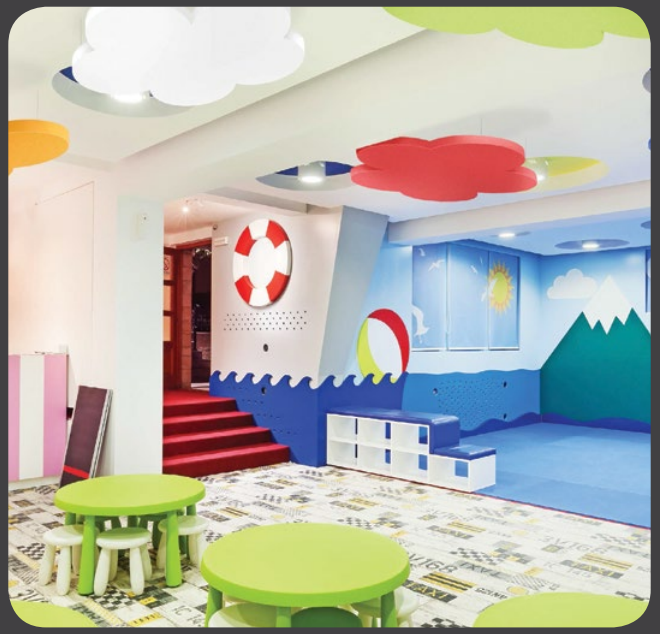
As an alternative to a traditional drop ceiling the acoustic ceiling islands and baffles offer excellent sound absorbing properties as well as aesthetics.

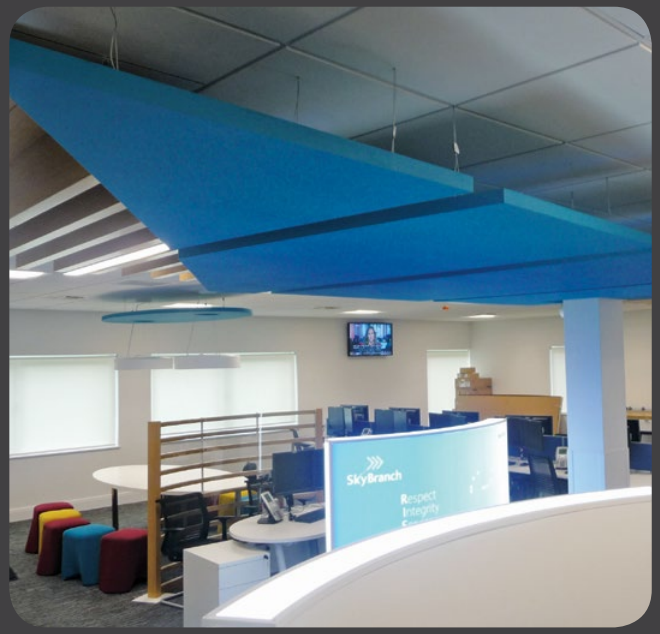
With the current trend of open ceilings with the air handling, cable trays and lighting exposed it can lead to a reverberant and noisy office.

Sound energy is ideally absorbed close to the source. In open plan environments, normally the single largest treatable surface is the ceiling. The islands and baffles can absorb sound on all six surfaces soaking up reflected as well as direct noise.

They may be plain white but can also be covered in an acoustically transparent fabric allowing for a wide choice of colours and even digital prints not only improving the acoustics but also the look of the space.

Apart from the open plan office ReSorb Islands and Baffles are also used in halls, gyms, atriums, libraries and public spaces.





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Areas with high reverberation (echo) can be uncomfortable, reduce speech intelligibility, cause voice strain and stress. Reverberation is easily measured even with apps for mobile phones but Acoustics by Design can both calculate and measure accurately the actual and likely results giving advice on what, where and how much absorption is required.

Absorption coefficients range from 0 – fully reflecting such as glass to 1 – fully absorbing – ReSorb Islands and Baffles. Just as important is the frequencies of sound absorbed. As the graph shows ReSorb Islands and Baffles absorb efficiently in the speech frequencies 250Hz – 4kHz.