# POLYLAM® | dur-SONIC low-frequency absorber

The POLYLAM® vertical baffle system is an engineered vertical baffle system, exhibiting space-delineating characteristics as well as acoustic features.

The system is supplemented with the POLYLAM® dur-SONIC low-frequency absorber ­­– a low-frequency absorber element of the same height as the main POLYLAM® baffles.

The element consists of a baffle with a width of 600 mm. The flanks of these baffles are perforated (also with the option of being perforated on the underside) and are made in accordance with the perforation pattern in the durlum metal ceilings catalogue (preferably RV-L6). The baffle height can be varied between 100 and 360 mm. On special request baffle lengths from a minimum of 30 mm to a maximum of 800 mm can be supplied.

The POLYLAM® dur-SONIC low-frequency absorber element is hung into a special substructure [see separate position] in a positive-locking and tension-free way. Tool-free dismounting is guaranteed.

Acoustic requirements:

POLYLAM® dur-SONIC low-frequency absorber can be fitted with various fillings, which act as absorbent material, e.g. with mineral wool in PE bags or with polyester fleece.

Acoustic absorption level to be verified by an independent test institute : Alpha w, is 1.0 (L) in accordance with DIN EN ISO 11 654

Leading brand system durlum System POLYLAM® dur-SONIC or equivalent. Consisting of:

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| Item............................  ..............................m2 | **Delivery and installation of POLYLAM® dur-SONIC low-frequency absorbers U-shaped cross section with top-moulded profiled edge**  Baffle width: 600 mm  Baffle height: …mm [min. 100/ max. 360 mm]  Individual baffle lengths: ... mm (min. 300/max. 3000 mm)  Material: optionally  Steel plate or  Naturally anodised aluminium  Surface: white powder-coated RAL 9016  optionally to RAL ............... Colour  Perforation: durlum type RV-L6 [2.1/4] with 10 mm unperforated edge to the bends  Sound absorption: acoustic fleece and mineral wool  The elements are factory-sealed with end covers.  Noise absorption (related to the side visible from below at B=600 mm, H=245 mm):  Frequency 125 250 500 1000 2000 4000 Hz  Alpha s 1.88 1.42 1.13 0.97 0.97 1.09  Unit price: … €/linear metre  Total price: … € |
| Item  Pcs | **Retrofitting costs per format, version and call-off for items with < 10 units** |
| Item  Pcs | **Retrofitting costs per format, version and call-off for items with > 10 units** |
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| Item  Pcs | **Delivery and installation of a substructure for low-frequency absorbers –**  **the POL****YLAM® dur-SONIC type**  consisting of two or three transverse braces which are suspended from the ceiling with 2 x 2 threaded rods.  Only construction parts approved by the manufacturer may be used. All parts are made of galvanised sheet steel.  Unit price … €/unit Total price … € |