

Ceilings Information From OWA



Acoustic concepts with OWAacoustic<sup>®</sup>:  
**Acoustic baffles on solid  
concrete surfaces**



**OWA**

# OWAcoustic® Acoustic baffle system



Goods acoustics, even with concrete surfaces:

## Converting concrete ceilings to good sound.

Hard concrete surfaces and good area acoustics are not normally compatible – but they can be – as proved by the use of OWAcoustic® hanging baffle system S 12d together with the application of wall mounted absorbers. It is now possible to achieve good acoustic conditions even in situations where there are hard acoustically reflective exposed concrete ceilings. By using wall Absorbers in combination with Constellation surface pattern acoustic baffles, a middle absorption degree of  $\alpha_w = 0.65$  can be achieved.

According to the area geometry and environmental sound-absorbing qualities of the different surfaces, it may require a large number of baffles to achieve the desired acoustic effect. It may well be that the layout and utilization of the area makes the installation of many baffles impractical.

**When hanging baffles alone cannot achieve the desired acoustics Absorbers can supplement the effect.**

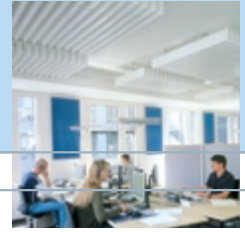
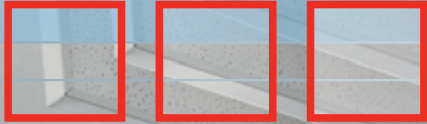
Where the required acoustic effect cannot be achieved by the use of acoustic baffles alone we recommend the use of our new **broad band - and low frequency wall mounted absorbers.**



OWAcoustic® Baffle system:

## Where good acoustics are essential.

The system is very well suited to retrospective works in situations where concrete ceilings have given acoustic problems that became apparent only after the building's completion. The OWAcoustic® baffle system can be installed quickly and without structural changes of the surroundings.



The ceiling element:

## Linear, floating or wave effect.

Installation alternatives can create different visual effects in the ceiling design. The existing concrete ceiling can provide a unique opportunity for variations in the appearance of the installed acoustic baffles:

- in linear formation
- as floating feature
- or as wave effect

Different design solutions can be achieved – from a clear geometric design to a floating baffle construction of baffle system with a La-Ola (wave effect).





## System S 12d

### Technical Data:

#### Dimensions:

Height: 150, 300 mm  
Length: 1200, 1250, 1500 mm

**Thickness:** approx. 24 mm

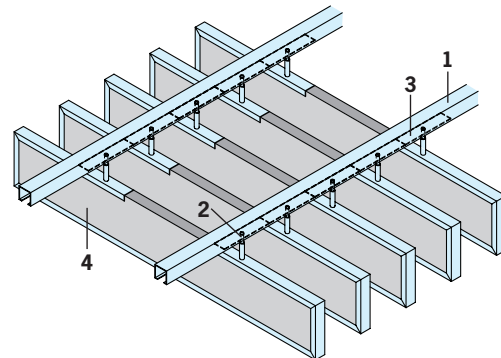
**Building class:**  
A2-s1,d0 (DIN EN 13501-1)

**Edge detail:** 3

**Design:**  
Constellation (Others on request)

**Baffle spacings:**  
100 mm, 200 mm

**Acoustic absorption:**  
 $\alpha_w = 0.65$  (H)



- 1 C-Carrier rail No.7001
- 2 Threaded bolt No.7002
- 3 Square washer No.7003
- 4 Baffle with white metal framing

**For further information:**  
Please contact the OWA  
technical sales desk



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