



## **A more enjoyable teaching and learning environment**

Ceiling systems for safety  
and wellbeing in education –  
**designed by OWA.**

Since our inception, OWA has committed itself to innovation and sustainability and become the industry name for technically and creatively leading ceiling systems in nearly every field of application. This is because we develop and supply innovative and sustainable products for use in the **education, office, sports & leisure, retail, hospitality, healthcare** and **manufacturing** sectors.

## OWA – your solutions provider for sustainable ceiling concepts in educational buildings

A pleasant atmosphere in classrooms and lecture theatres contributes significantly to the teaching and learning success of teachers, schoolchildren and students. This includes carefully balanced acoustics that facilitate both content communication and the learning process.

Our expertise in the educational building sector enables us to support everyone involved from the **planning phase** of a construction or renovation project to completion. Our team of technical experts is always available to advise our partners.

We offer **special training** for construction tradespeople, including decorators and dry liners, on how to professionally install our systems. We also provide advice and support, **both on-site and digitally**.

**OWA** products are high-quality, made from sustainable materials and provide **safety and wellbeing**. For more information, please contact us.





Our ceiling solutions  
for your needs

A holistic approach.  
Right from the start.

Our commitment is **focused** on the **individual needs** of all groups of people involved in educational buildings and on the requirements that different room types must fulfil for **effective teaching and learning**.

SUSTAINABLE  
SOLUTIONS

EFFORTLESS  
SPEAKING AND  
UNDERSTANDING

GOOD GRADES

POSITIVE IMAGE  
OF THE  
INSTITUTION

SOUND  
PROTECTION

FIRE  
PROTECTION

HYGIENE

GOOD  
COMPREHENSIBILITY

NATURAL  
PRODUCTS

EASY TO  
MODIFY

EXPERT  
ADVICE

(CREATIVE TOOLBOX  
FOR  
INDIVIDUALISTS

EASIER  
LEARNING

EASY TO  
INSTALL

**Collaborative.**  
**Holistic.**  
**Sustainable.**

We see ourselves as a solutions provider and leading force in contemporary, **forward-looking educational buildings**. For this reason, we are continuously developing new and improved concepts so we can offer the best support to our clients.

“My students can understand me easily wherever they are sitting.”

“I’m still full of energy even at the end of a long school day.”

“I can convey my teaching content effortlessly and my voice is spared.”

“At last, background noise no longer distracts me in class.”

“I find it much easier to listen, and I understand contexts more quickly.”

“My grades have improved significantly.”





## Your design choices Our product solutions

**Versatile.**  
**Precise.**  
**Sustainable.**

Our comprehensive product range offers a variety of custom solutions for all types of rooms in educational buildings.



Use the QR code here to get more details about our system solutions, or visit us online at [owa-ceilings.com](http://owa-ceilings.com). Alternatively, our team will be happy to assist you personally if required.

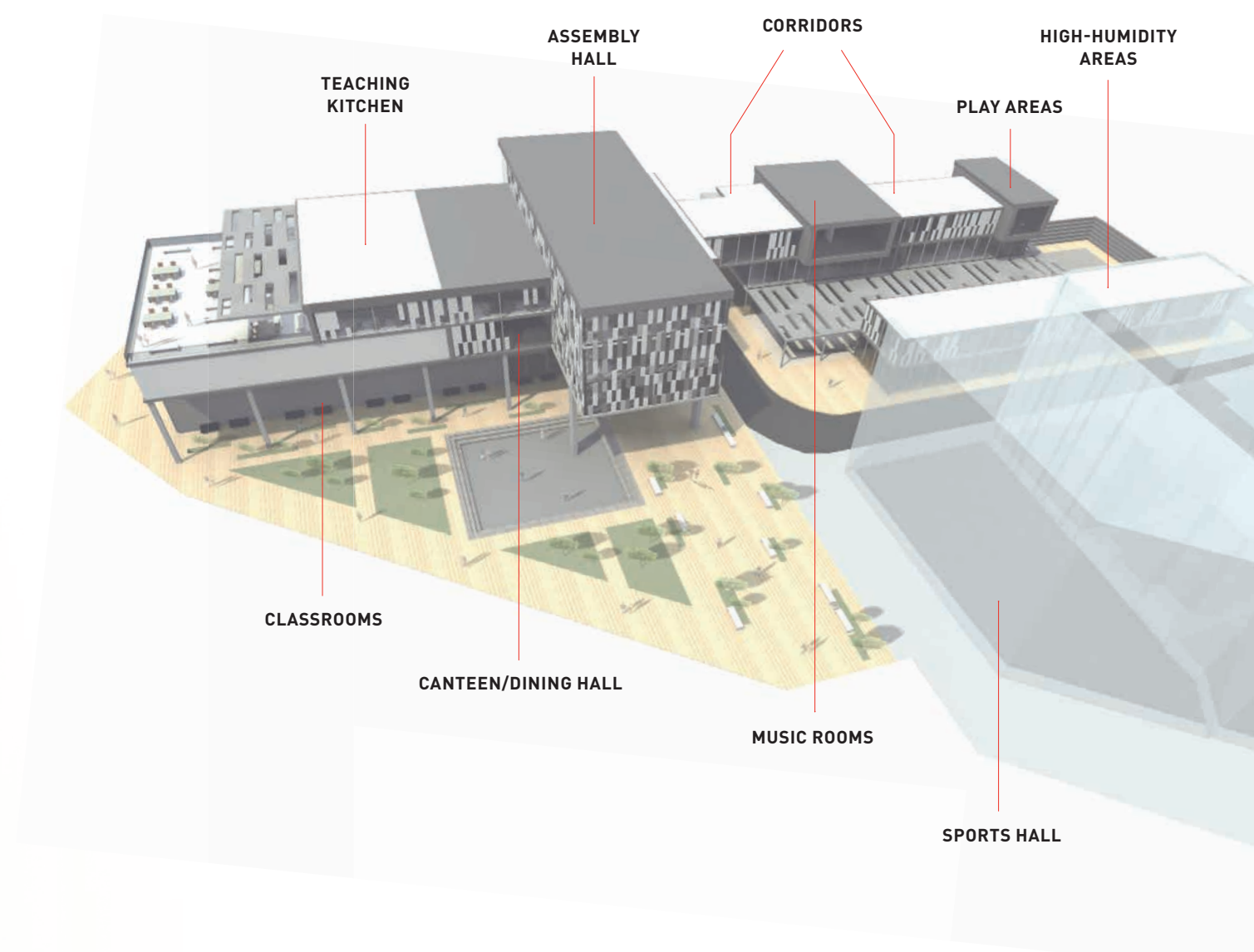
Contact us on:

*Tel: +49 9373 201-0*  
*Email: [info@owa.de](mailto:info@owa.de)*

We look forward to your enquiry!

## Contemporary ceiling solutions for a positive learning environment

Ceiling solutions from OWA help you achieve **the perfect acoustic balance** in your institution, creating an atmosphere which successfully supports learning and teaching. The result is a **better quality of life** for everyone within the space. Our **advice** ensures that the different individual needs of all users are met.







## Classrooms

### Stress-free teaching and learning – precise acoustics and sound insulation










**Long reverberation times** and **reduced speech intelligibility** inevitably cause increased stress among students and teachers. This can lead to high stress levels and result in absenteeism among both students and teachers.

For a pleasant teaching and learning atmosphere, **precisely optimised room acoustics** in classrooms play a key role: **Reflection in the area around the lecturer** for effortless speaking and balanced **absorption in the student area** for concentrated listening. It is important not only to pay attention to acoustic optimisation within individual classrooms – sound transmission from room to room also needs to be considered.

Decision-makers can be sure they will find precisely the optimal configuration of absorption, reflection and longitudinal sound insulation they require in the extensive OWA product range.



#### RECOMMENDED CEILING SOLUTIONS<sup>1</sup>

|                   | Sound absorption  | Resistance to fire <sup>2</sup>   | Resistance to humidity  | Sound reduction, CAC <sup>2</sup> | Light reflection                    |
|-------------------|---|---|---|-----------------------------------|-------------------------------------|
| Sinfonia          |  |  |  | up to 29 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Sinfonia Reflecta |  |  |  | up to 37 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Brillianto100     |  |  |  | up to 23 dB                       | approx. 78 (ISO 7724-2, ISO 7724-3) |

<sup>1</sup> Product may not be available in all countries. Please contact our Customer service.  
<sup>2</sup> Resistance to fire and sound reduction dependent on dimension, design, system, soffit and other project specific factors as well as availability on the market in question. Further versions on request. If you have any questions about a specific project, we will be happy to help.





## Canteen and dining hall

### A place to relax and refuel – invaluable acoustic solutions for creative needs

Smooth surfaces on floors, tables and worktops often unpleasantly reflect **footfall and speech noises**, as well as **ambient noise** from crockery and seating.

OWA supports optimised room acoustics with technically and creatively impressive ceiling solutions for canteens and dining halls, thus ensuring a **pleasant atmosphere** during break times. For special requirements in terms of impact and shock resistance, our acoustically effective wall absorbers OWAtecta S 60 offer the edial solution.



#### RECOMMENDED CEILING SOLUTIONS<sup>1</sup>

|   | Sound absorption | Resistance to fire <sup>2</sup> | Resistance to humidity | Sound reduction, CAC <sup>2</sup> | Light reflection                    |
|---|------------------|---------------------------------|------------------------|-----------------------------------|-------------------------------------|
| Sinfonia  |                  |                                 |                        | up to 29 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Sinfonia Silencia                               |                  |                                 |                        | up to 24 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| FreeStyle baffles                               |                  |                                 |                        |                                   | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Ceiling canopies Selecta/Curve/Corpus           |                  |                                 |                        |                                   |                                     |
| Magnetic wall absorber - OWAtecta S 60          |                  |                                 |                        |                                   |                                     |
| Wallabsorber Selecta/Creaprint/FreeStyle/Corpus |                  |                                 |                        |                                   |                                     |

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## Teaching kitchen

### Discover perfectly balanced enjoyment – acoustics and hygiene in equilibrium

Teaching kitchens must be multifunctional to be able to teach technical skills in a practice-oriented way. **Optimal acoustics** are essential to support the absorption of the teaching content despite the noises that inevitably occur during meal preparation. In addition to this, the **hygiene requirements** in teaching kitchens are **very high**. These range from observance of the necessary care in food handling to the need for appropriate structural provisions and thorough cleaning.

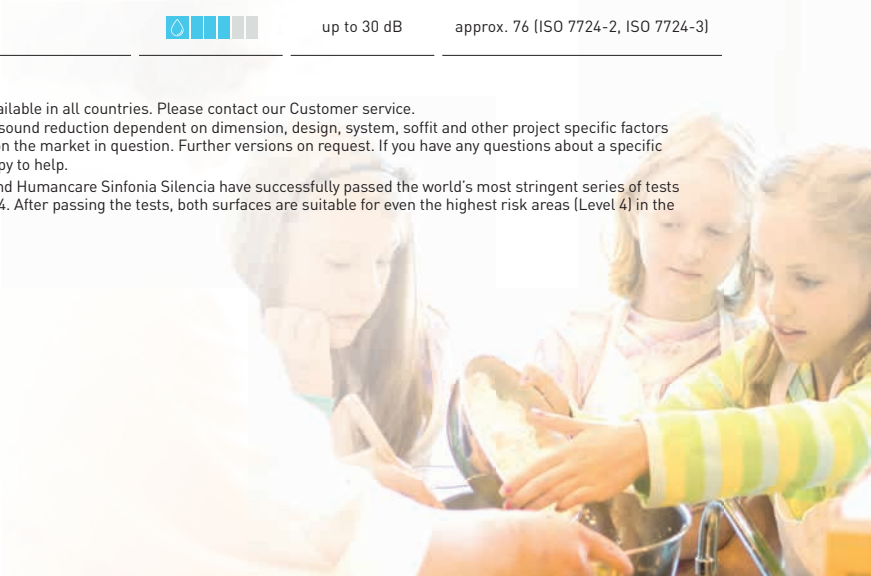
We are happy to support you with ceiling solutions that meet **both requirements**. In addition to their high **acoustic performance**, OWA hygienic ceilings have various hygienic properties, such as **easy disinfection**, depending on design and requirements. They also **prevent the growth of fungi, spores, bacteria and viruses**.



#### RECOMMENDED CEILING SOLUTIONS<sup>1</sup>

|   | Sound absorption | Resistance to fire <sup>2</sup> | Resistance to humidity | Sound reduction, CAC <sup>2</sup> | Light reflection                    |
|---|------------------|---------------------------------|------------------------|-----------------------------------|-------------------------------------|
| Humancare Sinfonia <sup>3</sup>                   |                  |                                 |                        | up to 29 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Humancare Sinfonia Silencia <sup>3</sup>          |                  |                                 |                        | up to 24 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| OWAtecta L0 (for demanding cleaning requirements) |                  |                                 |                        | up to 30 dB                       | approx. 76 (ISO 7724-2, ISO 7724-3) |

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<sup>2</sup> Resistance to fire and sound reduction dependent on dimension, design, system, soffit and other project specific factors as well as availability on the market in question. Further versions on request. If you have any questions about a specific project, we will be happy to help.  
<sup>3</sup> Humancare Sinfonia and Humancare Sinfonia Silencia have successfully passed the world's most stringent series of tests to NF S 90-351:2013-04. After passing the tests, both surfaces are suitable for even the highest risk areas (Level 4) in the healthcare sector.







## Assembly hall

### Presenting and music making – acoustic solutions for walls and ceilings

In schools and universities, the assembly hall is a multi-purpose room for whole-cohort assemblies and musical performances. Spaces such as these already present planners with challenges due to their size.

On the one hand, audibility and **speech intelligibility** must be ensured **at every seat** in the hall. **Reverberation must also be corrected** from the loudspeaker system. On the other hand, **background noises** such as those generated by a HVAC system or overlapping voices must be effectively controlled. Acoustic **wall absorbers** and **ceiling solutions** from OWA make every assembly hall a popular meeting place thanks to the **precision optimisation** of the acoustics in large rooms.



#### RECOMMENDED CEILING SOLUTIONS<sup>1</sup>

|                                      | Sound absorption | Resistance to fire <sup>2</sup> | Resistance to humidity | Sound reduction, CAC <sup>2</sup> | Light reflection                    |
|--------------------------------------|------------------|---------------------------------|------------------------|-----------------------------------|-------------------------------------|
| Sinfonia Silencia                    |                  |                                 |                        | up to 24 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Sinfonia Reflecta                    |                  |                                 |                        | up to 37 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| OWAplan 90                           |                  |                                 |                        |                                   |                                     |
| FreeStyle wall absorber              |                  |                                 |                        |                                   |                                     |
| Ceiling canopy Selecta, Selecta flex |                  |                                 |                        |                                   |                                     |

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<sup>2</sup> Resistance to fire and sound reduction dependent on dimension, design, system, soffit and other project specific factors as well as availability on the market in question. Further versions on request. If you have any questions about a specific project, we will be happy to help.





Wall absorber Selecta

## Corridors

### Well protected in corridors – comprehensive sound and fire protection

Corridors and hallways are often the scene of animated exchanges between pupils and teachers. The spectrum ranges from short handover conversations between teachers to lively interactions between pupils. Thanks to **high performance** values for **absorption** and **sound reduction**, even demanding acoustic solutions can be implemented in an attractive design. The certified **fire protection properties** of our ceiling systems ensure people feel well protected even at critical moments.



#### RECOMMENDED CEILING SOLUTIONS<sup>1</sup>

|                                     | Sound absorption | Resistance to fire <sup>2</sup> | Resistance to humidity | Sound reduction, CAC <sup>2</sup> | Light reflection                    |
|-------------------------------------|------------------|---------------------------------|------------------------|-----------------------------------|-------------------------------------|
| Constellation                       |                  |                                 |                        | up to 33 dB                       | approx. 88 (ISO 7724-2, ISO 7724-3) |
| Sinfonia                            |                  |                                 |                        | up to 29 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Sinfonia c                          |                  |                                 |                        | up to 34 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Cosmos/N                            |                  |                                 |                        | up to 33 dB                       | approx. 84 (ISO 7724-2, ISO 7724-3) |
| Wall absorber Selecta, Selecta flex |                  |                                 |                        |                                   |                                     |

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<sup>2</sup> Resistance to fire and sound reduction dependent on dimension, design, system, soffit and other project specific factors as well as availability on the market in question. Further versions on request. If you have any questions about a specific project, we will be happy to help.





## Music room

### For the joy of music – heightened absorption and effective sound insulation

It is a fact that musical education positively promotes the personal development of children and young people. To make it possible to experience music in its many facets in educational institutions, a wide variety of acoustic tasks must be fulfilled. **Excessive reflection** would put too much strain on students and teachers and make practising difficult. **Excessive absorption**, on the other hand, would reduce the sense of achievement and the joy of playing. In addition, **sound transmission into adjacent rooms** must be reduced because the lessons there should also be free of acoustic interference.

The wide range of OWA ceiling systems for **optimising absorption, reflection and sound reduction** enables planners to find the optimal configuration for their music room design.

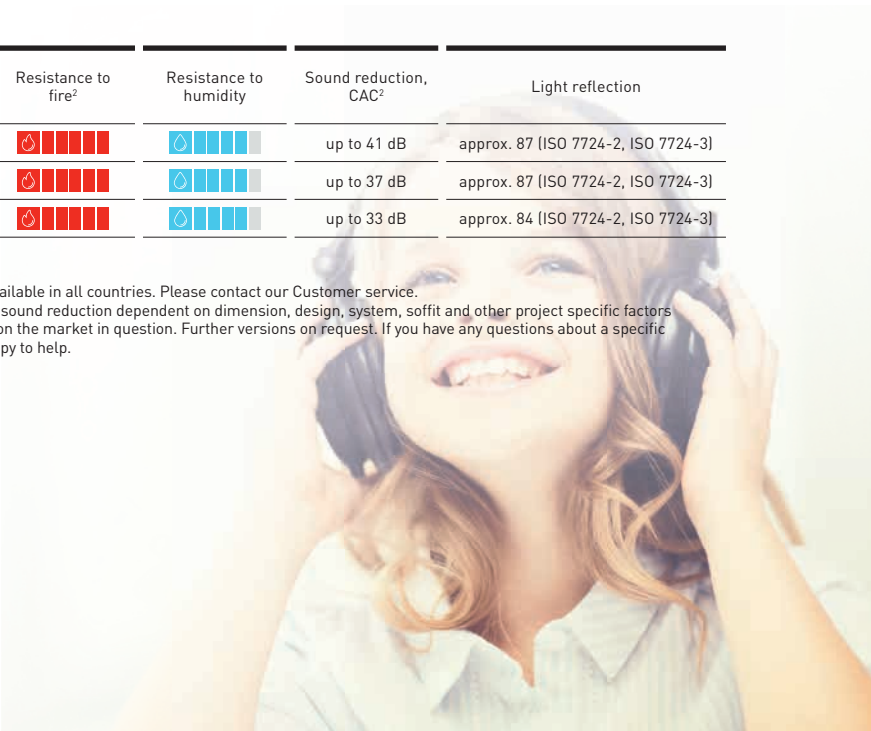


#### RECOMMENDED CEILING SOLUTIONS<sup>1</sup>

|                   | Sound absorption | Resistance to fire <sup>2</sup> | Resistance to humidity | Sound reduction, CAC <sup>2</sup> | Light reflection                    |
|-------------------|------------------|---------------------------------|------------------------|-----------------------------------|-------------------------------------|
| Sinfonia Privacy  |                  |                                 |                        | up to 41 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Sinfonia Reflecta |                  |                                 |                        | up to 37 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Cosmos/N          |                  |                                 |                        | up to 33 dB                       | approx. 84 (ISO 7724-2, ISO 7724-3) |

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<sup>2</sup> Resistance to fire and sound reduction dependent on dimension, design, system, soffit and other project specific factors as well as availability on the market in question. Further versions on request. If you have any questions about a specific project, we will be happy to help.







## Play zone and daycare centre

### Relaxed play and supervision – sound-absorbing ceiling solutions that promote wellbeing

**Excellent sound absorption** is crucial for both children and educators, especially in areas that children use for playing and letting off steam. Even if background sounds are seemingly insignificant, noise disturbs the **ability to concentrate and the important processing procedures** involved when learning through play. In addition, it impairs the performance and health of the educators over time.

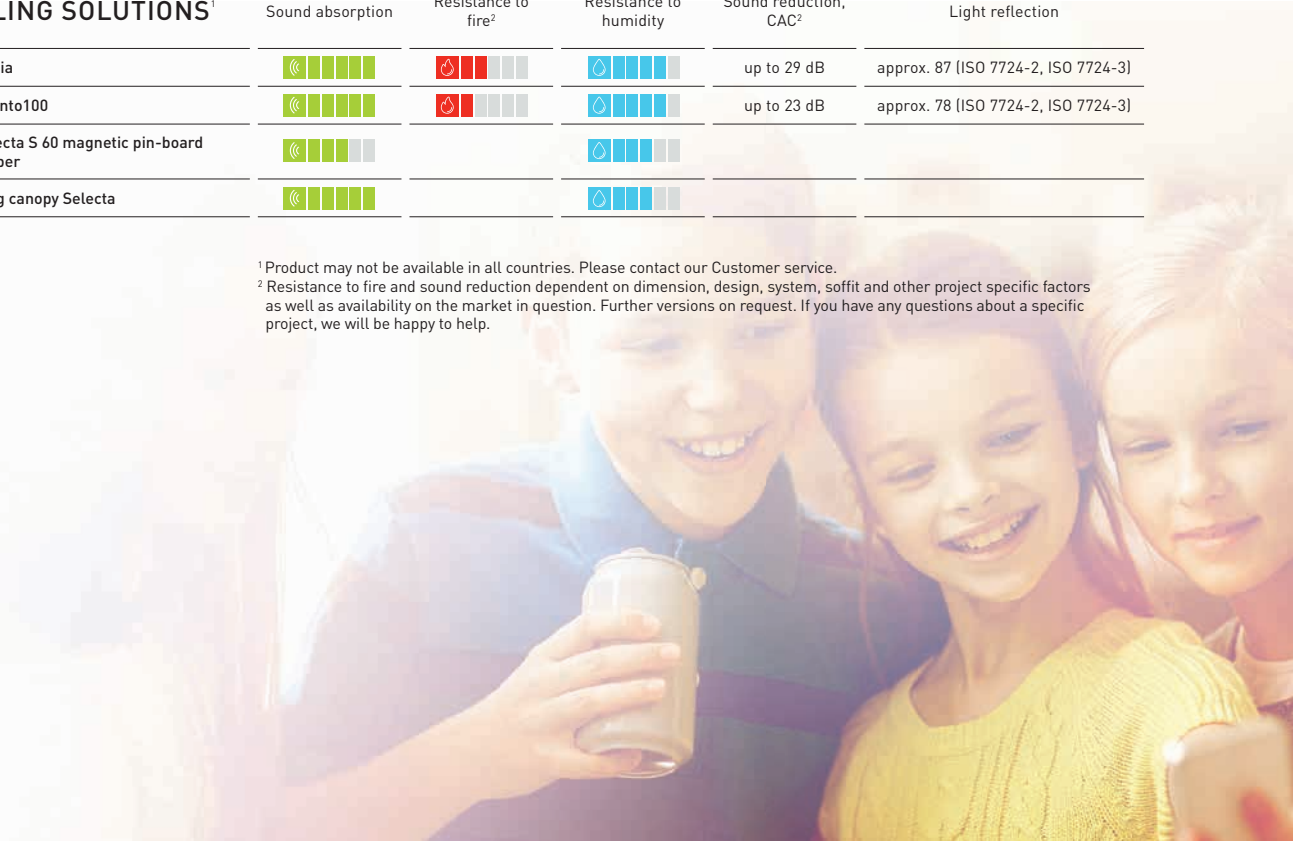
OWA offers high-quality ceiling solutions that provide additional wellbeing through suitable sound absorption.



#### RECOMMENDED CEILING SOLUTIONS<sup>1</sup>

|   | Sound absorption | Resistance to fire <sup>2</sup> | Resistance to humidity | Sound reduction, CAC <sup>2</sup> | Light reflection                    |
|---|------------------|---------------------------------|------------------------|-----------------------------------|-------------------------------------|
| Sinfonia                                  |                  |                                 |                        | up to 29 dB                       | approx. 87 (ISO 7724-2, ISO 7724-3) |
| Brillianto100                             |                  |                                 |                        | up to 23 dB                       | approx. 78 (ISO 7724-2, ISO 7724-3) |
| OWAtecta S 60 magnetic pin-board absorber |                  |                                 |                        |                                   |                                     |
| Ceiling canopy Selecta                    |                  |                                 |                        |                                   |                                     |

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## High humidity areas

### Sustainable regeneration after sports – moisture resistant acoustic solutions

School shower rooms are demanding environments. **Acoustically**, they need to be designed in such a way that loud cheers or heated arguments following team sports matches can be **effectively balanced** out. At the same time, the frequent showers generate **a lot of water vapour** and high humidity, which can lead to ceiling tiles losing their shape and functionality.

Functional ceilings from OWA for high humidity areas are perfectly suited to spaces where hygiene is particularly important. They **maintain their integrity** and offer **very good sound absorption**. In addition, they **prevent** the growth of fungi, spores, bacteria and viruses (Humancare Plus).



#### RECOMMENDED CEILING SOLUTIONS<sup>1</sup>

|                | Sound absorption | Resistance to fire <sup>2</sup> | Resistance to humidity | Sound reduction, CAC <sup>2</sup> | Light reflection                    |
|----------------|------------------|---------------------------------|------------------------|-----------------------------------|-------------------------------------|
| Ocean          |                  |                                 |                        | up to 30 dB                       | approx. 78 (ISO 7724-2, ISO 7724-3) |
| Humancare Plus |                  |                                 |                        | up to 30 dB                       | approx. 84 (ISO 7724-2, ISO 7724-3) |

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Notes:



**[www.owa-ceilings.com](http://www.owa-ceilings.com)**

The information in this brochure is up to date at the time of publication. Errors and mistakes excepted. Please contact our competence team OWAconsult for specific advice. Our experts will be happy to answer your questions via the following contact method:  
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Email: [info@owaconsult.de](mailto:info@owaconsult.de)

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