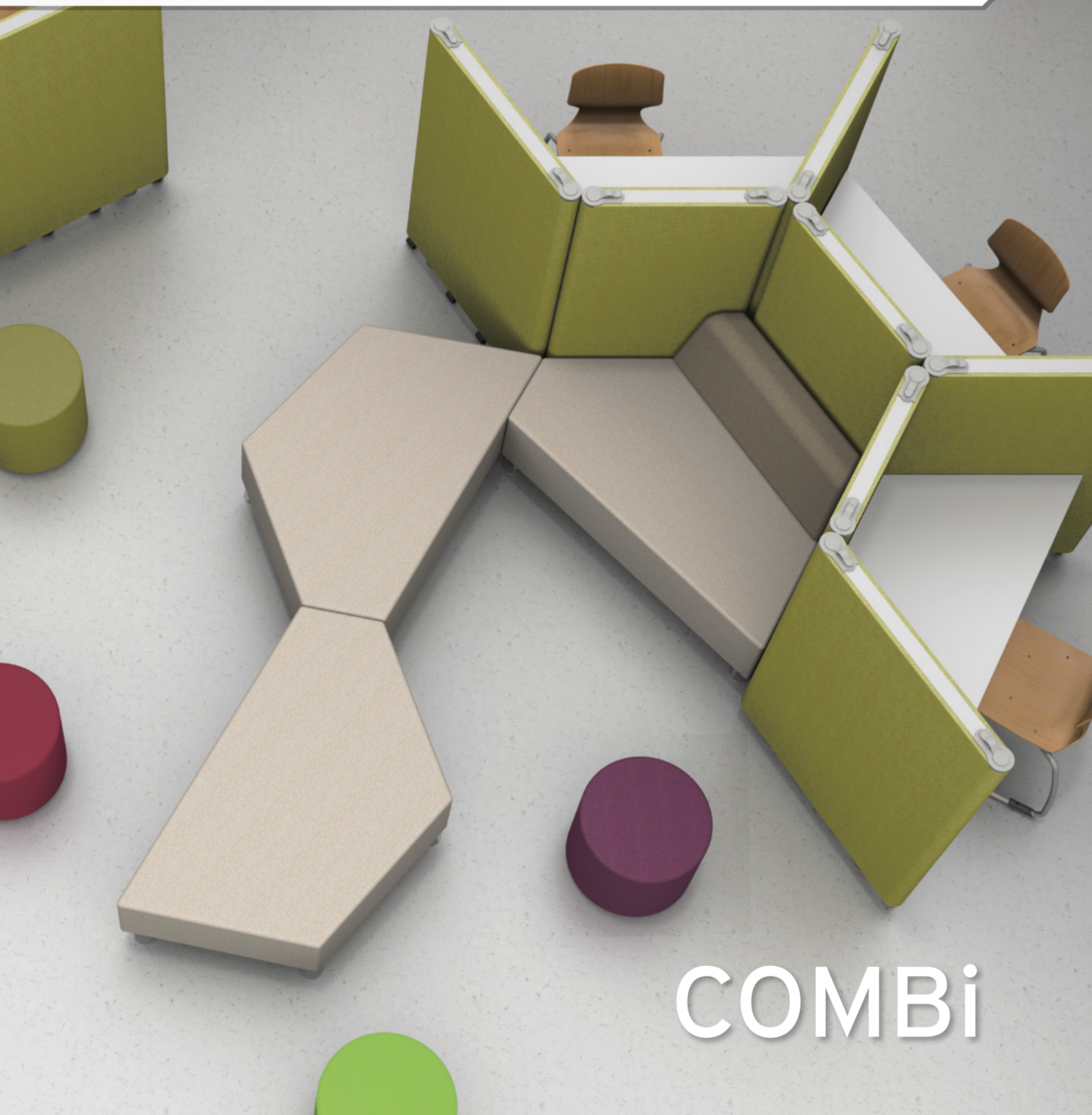




**LEARNING ROUTINE  
IS STRIKING A NEW NOTE:  
A VERY QUIET ONE.**



**COMBi**



## THE COMBI SYSTEM

# STAYING IN THE ROOM - LEAVING THE BACKGROUND NOISE BEHIND.

Modern teaching involves many different forms of knowledge transfer and acquisition. Chalk and talk, individual or group teaching, relaxed discussions, e-learning or project work - teachers often switch between the different forms of teaching at short notice. It is not uncommon for several of these forms of learning to take place in parallel, which also causes the topics of zoning and acoustics to gain in significance.

In order to create suitable environments for these requirements, a room must be flexible in its use and capable of being transformed quickly. COMBI elements allow rooms to be divided into rooms quickly and flexibly and also to be fitted out to absorb sound. The acoustic

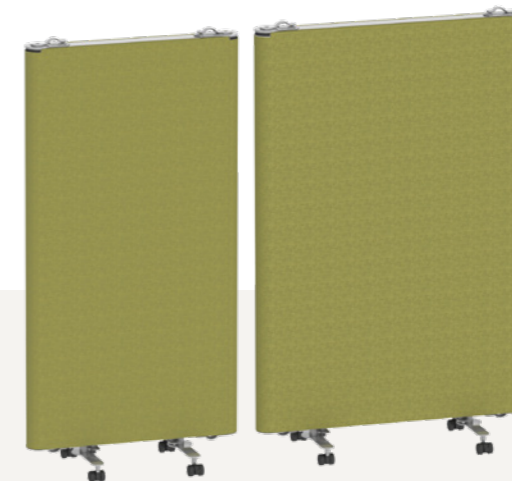
elements are created as an organic system which breaks up rigid planning grids and redefines the working environment.

Pupils and teachers have the option of always creating the precise environment that corresponds to their current tasks. Individual, partner or group work, a reading corner or small discussion groups - no one has to sit behind closed doors any more.

COMBI can be integrated into a wide variety of rooms and environments. The walls can be connected without tools and are easy to move due to castors. In conjunction with other furniture from the A2S furniture system, it is possible to constantly create new workstations and seating options for every occasion.



Due to their height of 1.42 m, the fabric-covered, mobile acoustic walls allow quiet work, without impairing the view of the room.



## THE NAME SAYS IT ALL

The name COMBI is a play on the English terms "honeycomb" and "combination". Therefore, it stands both for the striking shape of the furniture system and for its versatile use.

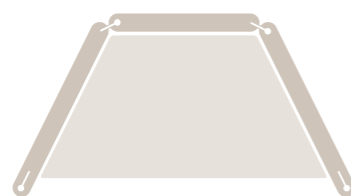




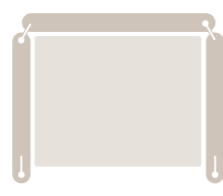
The COMBI system is not a fixed room design, but a living, extendible room concept. As lively and flexible as teaching and the school routine, as fast as a spontaneous idea. The combination of a privacy screen and an acoustic element allows the eyes and ears to relax, and the wide range of colours gives any room the desired atmosphere. And the best thing is: if the room design looks different to how you imagined it, it can be changed in a trice at any time.



Triangular table  
1003.118 113 x 80 cm



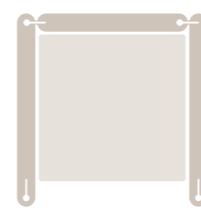
Trapezium table  
1004.147 140 x 70 cm



Classroom table  
7210 70 x 55 cm



Group table  
1001.088 80 x 80 cm



Group table  
1001.077 70 x 70 cm



MAZE  
**A GOOD IDEA HAS MANY GOOD ASPECTS.**

MAZE is not just a seamless addition to the existing upholstered series DOMINO - the seat elements are also designed in such a way that new island solutions and room structures can constantly be created in conjunction with COMBI acoustic elements.

The high acoustic effectiveness of the system provides space for an undisturbed retreat or intense discussions. The little timeout in the school routine - whether it's in the learning space or the office.



**INVITATION TO PLAY**

The name MAZE means labyrinth. It stands both for the striking shape of the seat element and for its countless design and combination options.



## COMBI FREE-STANDING ACOUSTIC ELEMENTS

- Model No.** 6710.070 | 6710.090
- Size** 70 x 142 cm | 90 x 142 cm
- Weight** 15.5 kg | 19.0 kg
- Material** Frame made of MDF with acoustically effective honey-comb panel, felt pad and fabric covering on both sides
- Accessories**
  - Plastic connector
  - Electric kit
- Base** Rotating star base with either feet or double swivel castors
- Fabrics** Lounge I, Wool (no version in B1 possible)

### ELECTRIC KIT

The electrification of the walls can be retrofitted without any problems and can be reversed again at any time (no electrician necessary). All walls have already been prepared with the installed aluminum conduit. Up to 3 walls can be linked to one another.

**Scope** 3 m connection cable with mains plug and plug-in connector, connection cable with plug-in connectors, earthed sockets (45°), 2 aluminium covers for the cable conduit

- Alternatives**
- double socket (with width of 70 cm)
  - triple socket (with width of 90 cm)



## MAZE VERSATILE SEAT ELEMENT

- Model No.** 9387.002 without backrest | 9387.147 with backrest
- Size** W 140 cm | D (total) 90 cm | H 75 cm with backrest | Seat height 45 cm
- Alternatives** with and without backrest
- Base** Feet with felt gliders, chrome silver or chrome-plated version possible. Feet with floor anchorage possible.
- Fabrics** Lounge I, Lounge II, Wool, artificial leather or artificial leather B1

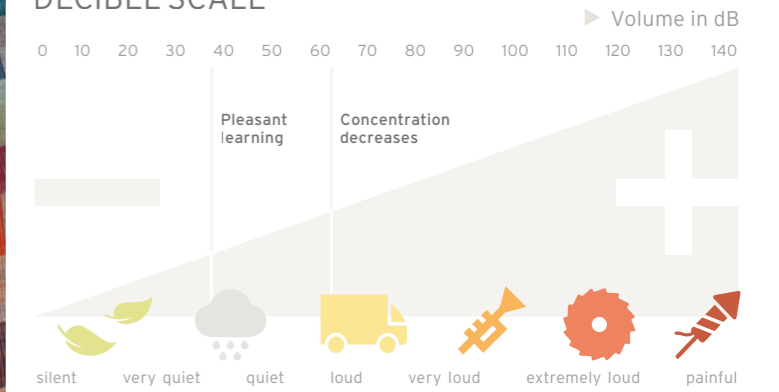


### ADVANTAGES

- System with easy and versatile combination options for all forms of work
- Acoustic effectiveness beyond the aspect of room division
- Flexible zoning and design of rooms and inviting quiet areas
- The possibility of surveying the room is not restricted by the height of the walls
- Easily transportable and repairable



### DECIBEL-SCALE



In an environment for intellectual activities, a level of 55 dB should not be exceeded if possible. However, measurements prove that an average level of 65-80 dB is achieved in classrooms nowadays. This is comparable with the level of a busy road.

### ACOUSTICS

## THE RIGHT BACKGROUND NOISE FOR HEALTHY LEARNING

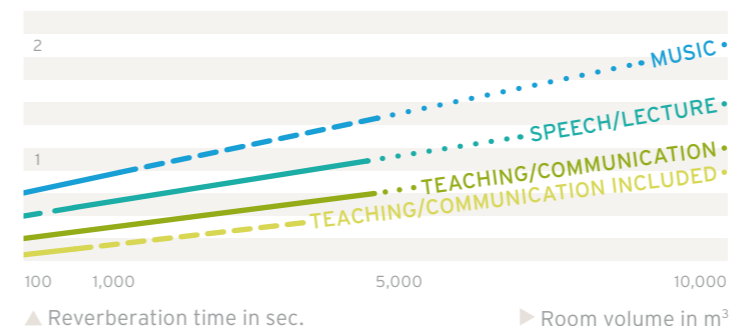
In order to create a pleasant learning environment, it is necessary to keep the noise level as low as possible in the room. The most important measures taken for this are acoustic floors and ceilings. However, where these conditions are not available or targeted quiet zones are to be given an acoustic design, furniture such as COMBi acoustic elements is helpful. The perception of noise in the room can be measured. The classification is dependent on two basic factors:

**The reverberation time.** For how long can a sound still be heard in the room?

The surface design of furnishings plays a crucial role here. In contrast to smooth surfaces, which reverberate the sound more strongly and extend the reverberation time, structured and textile surfaces absorb sounds and thus reduce the reverberation time.

**The frequency band.** How intensively is a sound perceived? Sounds with different frequencies determine the noise level in a learning environment. It is necessary to filter out the high frequency and thus to create a frequency band that allows communication and concentration and makes it pleasant.

### ROOM ACOUSTICS (acc. to DIN 18041)



### SOUND ABSORPTION CLASSES (acc. to DIN EN 11654)

- A** extremely absorbing
- B** extremely absorbing
- C** highly absorbing
- D** absorbing
- E** slightly absorbing

The COMBi acoustic walls from A2S are classified as Class C (highly absorbing) in accordance with ISO 354, which is relevant for classrooms.

FABRICS

WOOL | COMBi AND MAZE



100% Wool | Flame retardant acc. to EN 1021 1&2 | Weight 460 g/m<sup>2</sup> +/- 5 % | Abrasion resistance: 35,000 Martindale rounds | Lint dev. 4 | Tested for harmful substances

LOUNGE I | COMBi AND MAZE



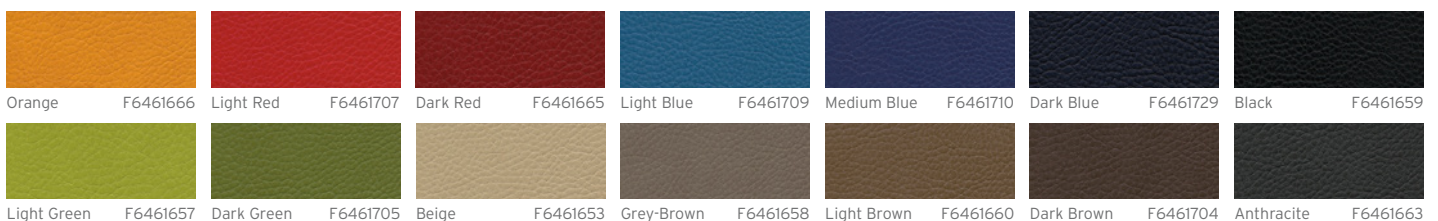
100% Polyester | Flame retardant acc. to EN 1021 1&2 | Weight 250 g/m<sup>2</sup> +/- 5 % | Abrasion resistance: 100,000 Martindale rounds | Lint dev. 5 | Tested for harmful substances: ÖKO-Tex 100

LOUNGE II | MAZE



100% Polyester | Flame retardant acc. to EN 1021 1&2, DIN 4102 B1 | Weight 260 g/m<sup>2</sup> +/- 5 % | Abrasion resistance: 70,000 Martindale rounds | Lint dev. 5 | Tested for harmful substances: ÖKO-Tex 100

ARTIFICIAL LEATHER B1 | MAZE



PVC Compound, BW knitted fabric | Flame retardant acc. to EN 1021 1&2, DIN 4102 B1 | Weight 780 +/- 50 g/m<sup>2</sup> | Abrasion resistance: > 75,000 Martindale rounds | Tested for harmful substances

ARTIFICIAL LEATHER | MAZE



Surface 100% Polyester | Fabric 70% Polyester, 30% Cotton | Flame retardant acc. to EN 1021 1&2 | Weight 435 g/m<sup>2</sup> +/- 5 % | Abrasion resistance: > 100,000 Martindale rounds | Lint dev. 5 | Tested for harmful substances

Colours may vary. A2S sales reps would be happy to show you some true colour material samples.

Subject to technical changes. No liability accepted for printing errors. - ASS-ST.VERT.05.05.EN.01. Edition 1 01/2019

