



## *Interior Construction*





Selection of different Metawell® panels and Metawell® Aluflex

# Metawell® at a glance

## Advantages of Metawell®:

- Large formats with smooth and appealing surfaces
- High bending stiffness combined with low weight
- Low total thickness of the panels
- Use of simple substructures with large supporting and span width possible
- Simple forming with Metawell® Aluflex
- Absorbing of high point and surface loads
- Semi-finished panels, pre-fabricated elements or ready-to-be-installed components
- Easy to process, also on-site
- 100% recyclable

## Finishing options:

- Wide range of finishes (coating, painting, film laminating, digital printing, powder coating on request)
- Different types of edge finishes and invisible fixing methods
- perforation of the panels leads to acoustic effectiveness

## Interior design applications:

- Large ceilings (flat or curved) and ceiling panels (in combination with acoustics, as well as heating and cooling function)
- Partitions and wall linings with acoustic effectiveness
- Premium shop and furniture design
- Maintenance flaps for floors
- Curved parts for the interior, such as column coverings, counter cladding
- Pedestals, platforms and walkways
- Exhibition stand construction







Acoustic wall, Gardinistraße, München

# Walls and floors

## Wall systems

The use of large Metawell® panels for walls and as casing elements is ideal to create individual room design in public areas particularly in the following applications:

- Decorative wall panels, e.g. with natural stone or mineral coating, textile, digital printing
- Curtain walls and „shadow“ elements in grid systems
- Interior lining with or without shadow gaps
- Prominent media carriers and display walls
- Cladding of booths and special store fitting

Since almost any panel length can be provided, horizontal joints can frequently be avoided. The panels can be fixed with traditional profiles to facilitate quick and flexible assembly. Metawell® is an excellent substrate for the most different surface materials. Various panel types are available, which allows for an optimum adjustment between coating material and carrier panel and a determination of the characteristics desired.

Forming components or sheathings of balustrades Metawell® Aluflex is ideal, thanks to its unique structure and plasticity. Additionally Metawell® Aluflex shows a good resounding behaviour and can easily be fixed to already mounted structures at site.

## Floor applications

Metawell® is a perfect material to build suspended floors and platforms for special constructions. The grid width of the structure and the panel formats can be optimally adjusted to each other which reduces both assembly time and expenditure. In the case of higher point loads special Metawell® light panels can be supplied.

Areas of use:

- Platforms and raised floors in public areas
- Stages and gangways, particularly for mobile units
- Maintenance elements and trap doors for special floors





Acoustic ceiling, Raiba Vohenstrauß

# Suspended ceilings

## Different assembly types

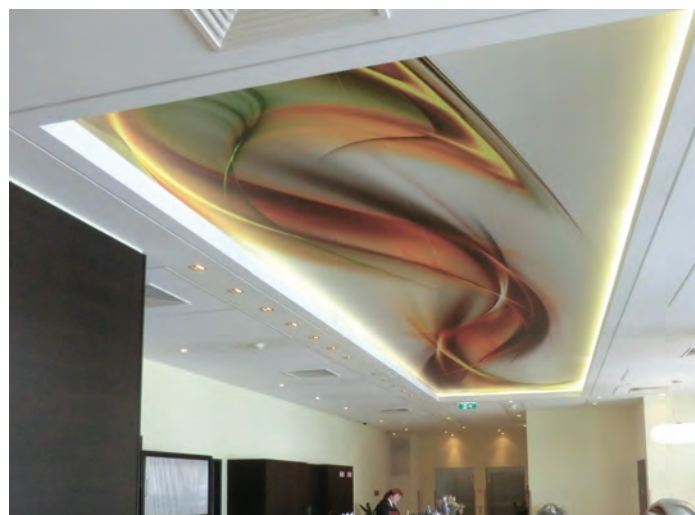
Metawell® panels are used for ceiling islands, grid ceilings and gapless ceilings. All types profit from the specific advantages of Metawell®: low weight, rigidity, evenness, large surfaces, small overall thickness and it is 100% recyclable.

## Surfaces

For ceiling sails and grid ceilings mainly coilcoated or spray painted elements are used, but the interest in digital printing is growing. Gapless Metawell® ceilings can be painted with dispersion paint or coated with traditional acoustic, manually applied or sprayed decorative plaster.

## Functional ceilings

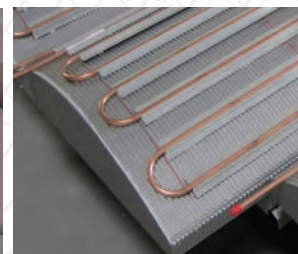
Metawell® panels do not only emphasize architectural features in ceiling design but also demonstrate their specific advantages above all when used as acoustic, radiant cooling and heating ceilings.



Radiant- and acoustic ceiling with digital printing



Ceiling islands, Kunsthalle Mannheim



Special design - backside







Showcase, Foto: Ingrid Fiebak



Wall cladding, Foto: Ingrid Fiebak

## Furniture

### Exclusivity and high value

Metawell® is particularly suited for the design of furniture and store facilities.

Wherever exclusivity and high product value are requested Metawell® panels are a wonderful material for creative designers and architects.

Metawell® panels allow flat-spread applications with a statical performance that otherwise could be reached only with solid and much heavier constructional elements.

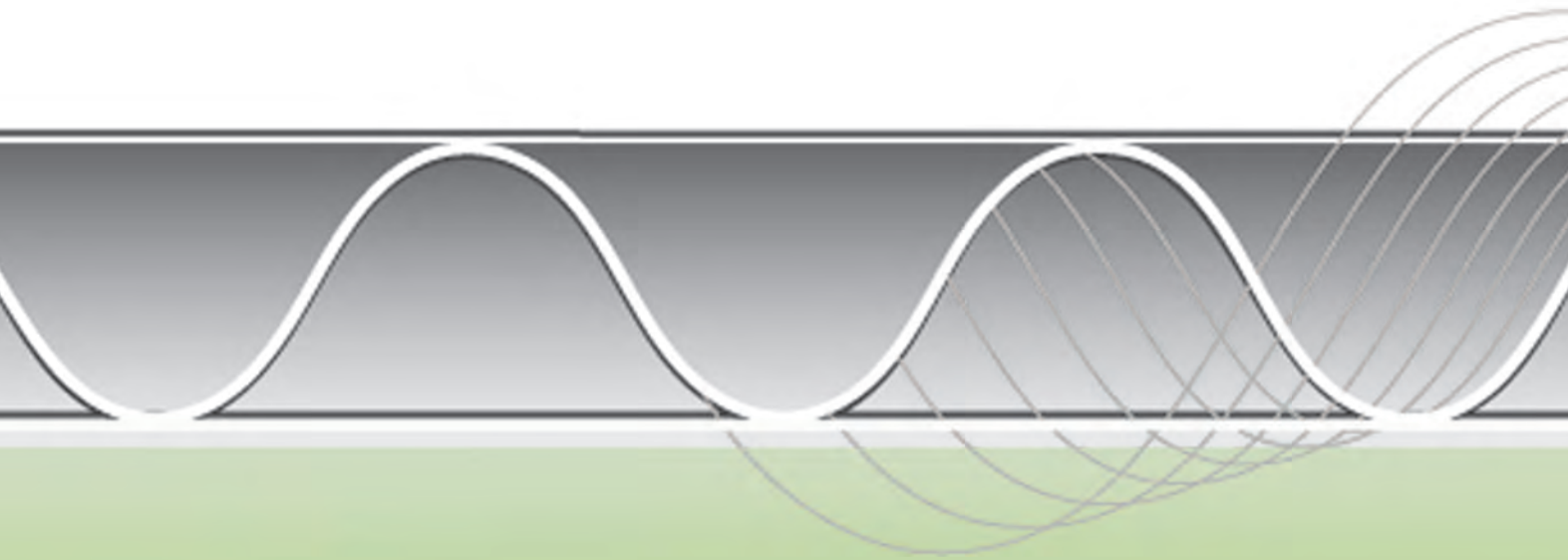
With the processing possibilities and the choice among many different surfaces e.g. metallic, HPL-surfaces, digital printing or special decors manifold design visions for banks, museums and public buildings can be realized easily.



Furnishing, Technical Museum Vienna



Exclusive bath room furniture „Ammonitum“



**Metawell** GmbH  
*metal sandwich technology*

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