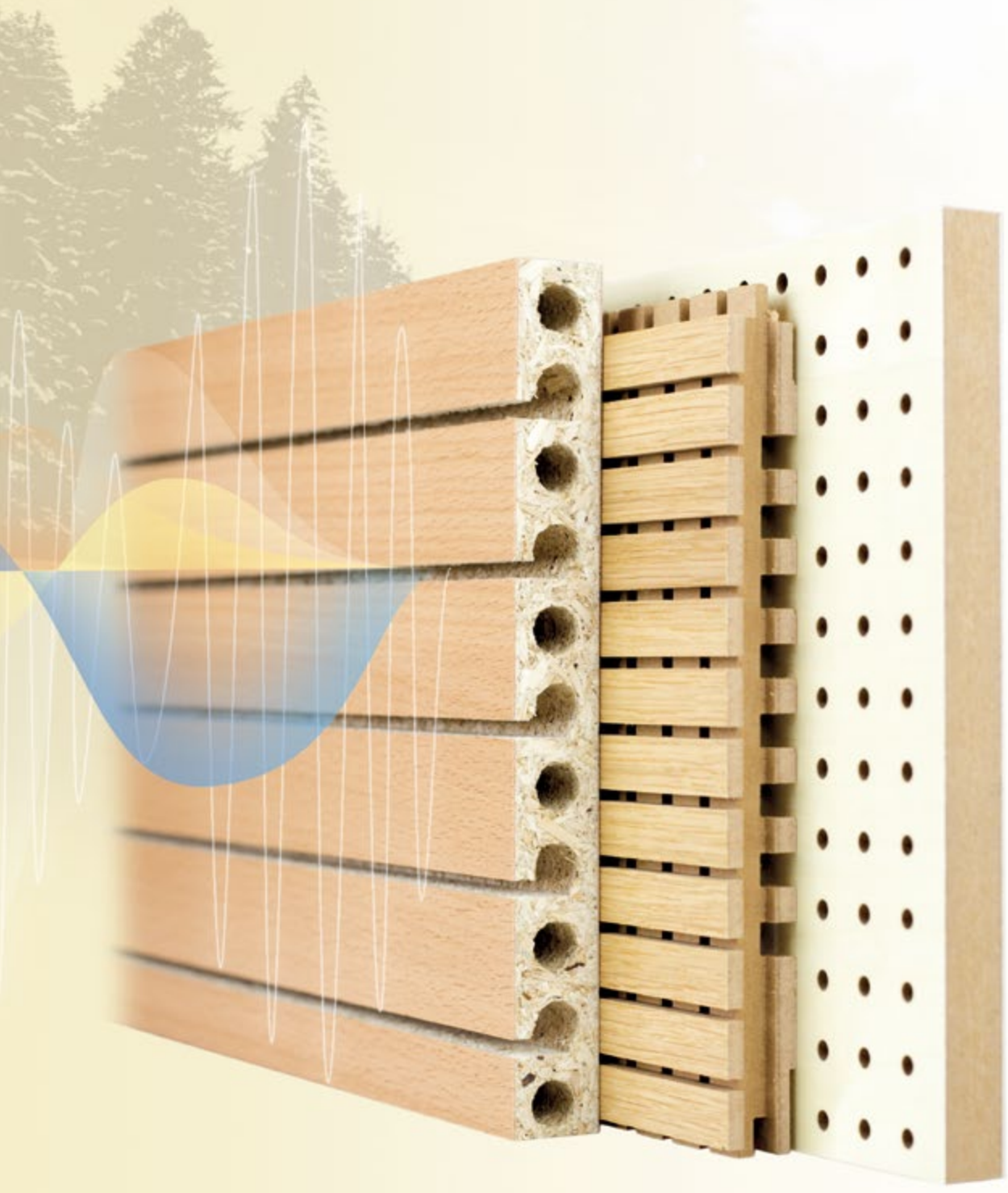
PERFECTION IN THE ABSORPTION OF SOUND

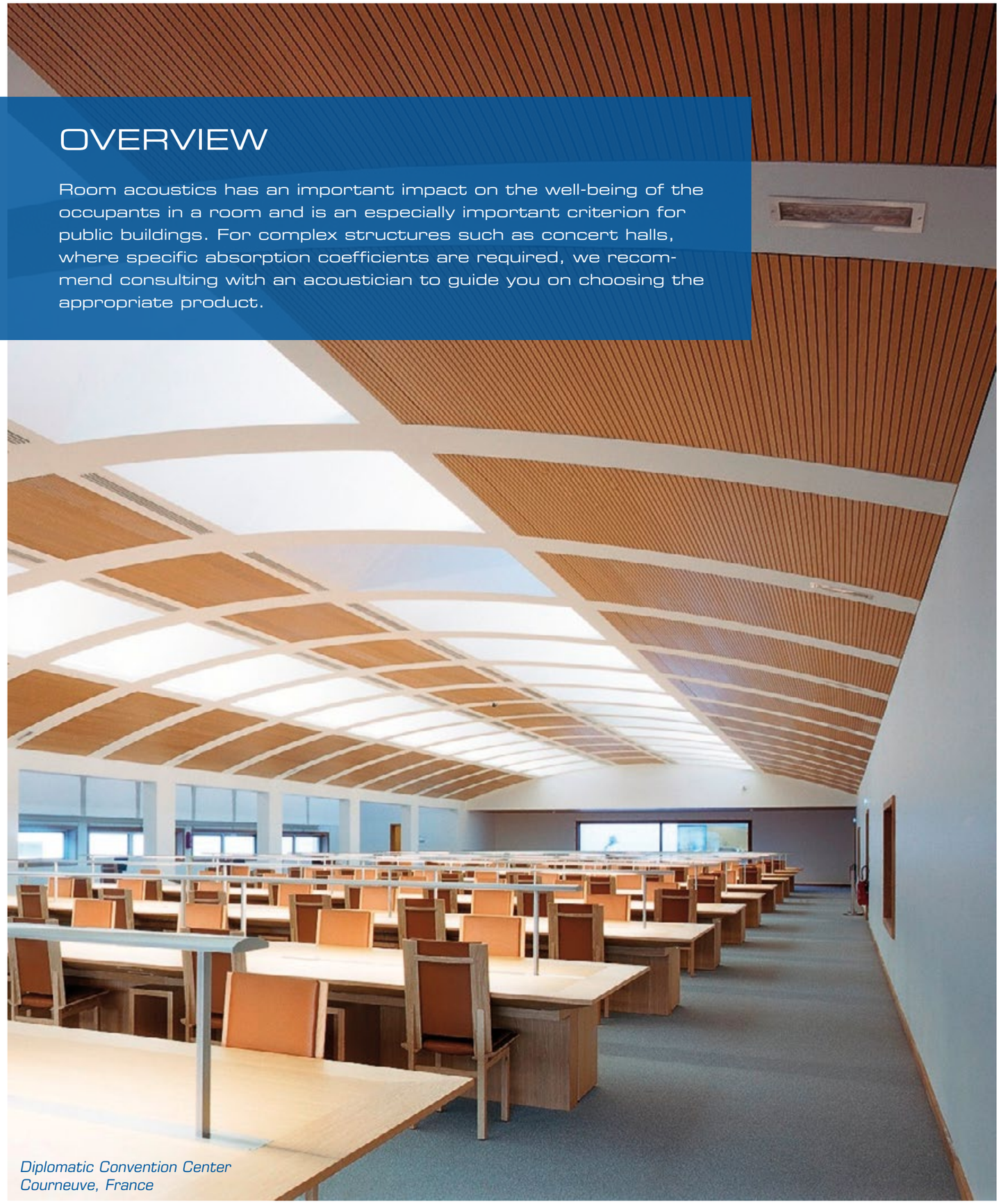


swiss made

TAVAPAN

OVERVIEW

Room acoustics has an important impact on the well-being of the occupants in a room and is an especially important criterion for public buildings. For complex structures such as concert halls, where specific absorption coefficients are required, we recommend consulting with an acoustician to guide you on choosing the appropriate product.



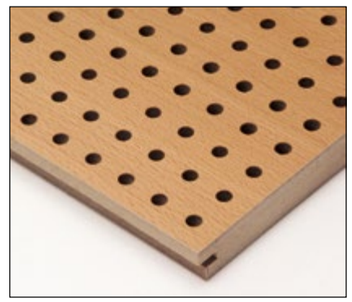
Diplomatic Convention Center
Courneuve, France

DEWETON®

Ageless

CREAWOOD®

Creative

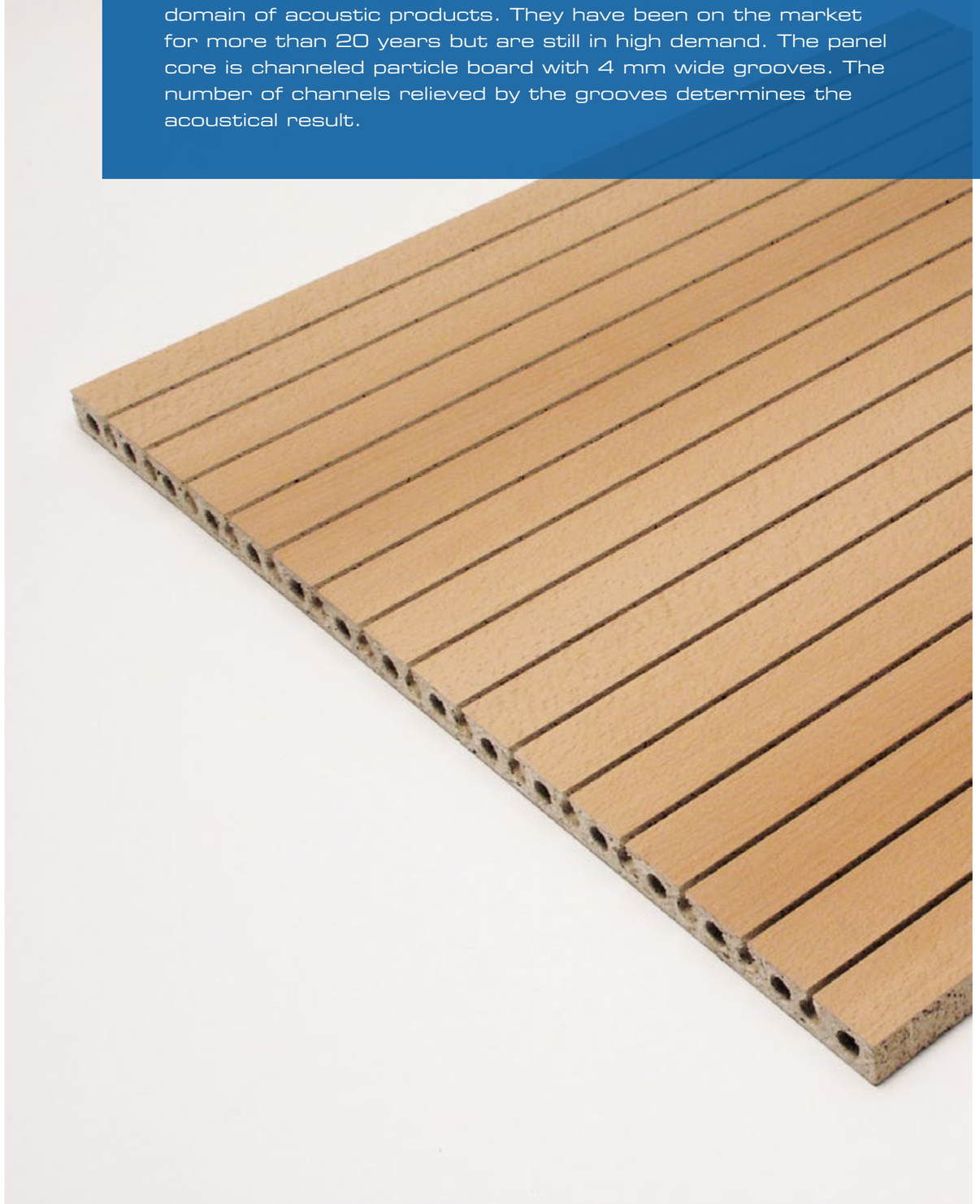


TAVAPERF

Universal

THE AGELESS

The DEWETON acoustic panels are the ageless classic in the domain of acoustic products. They have been on the market for more than 20 years but are still in high demand. The panel core is channeled particle board with 4 mm wide grooves. The number of channels relieved by the grooves determines the acoustical result.

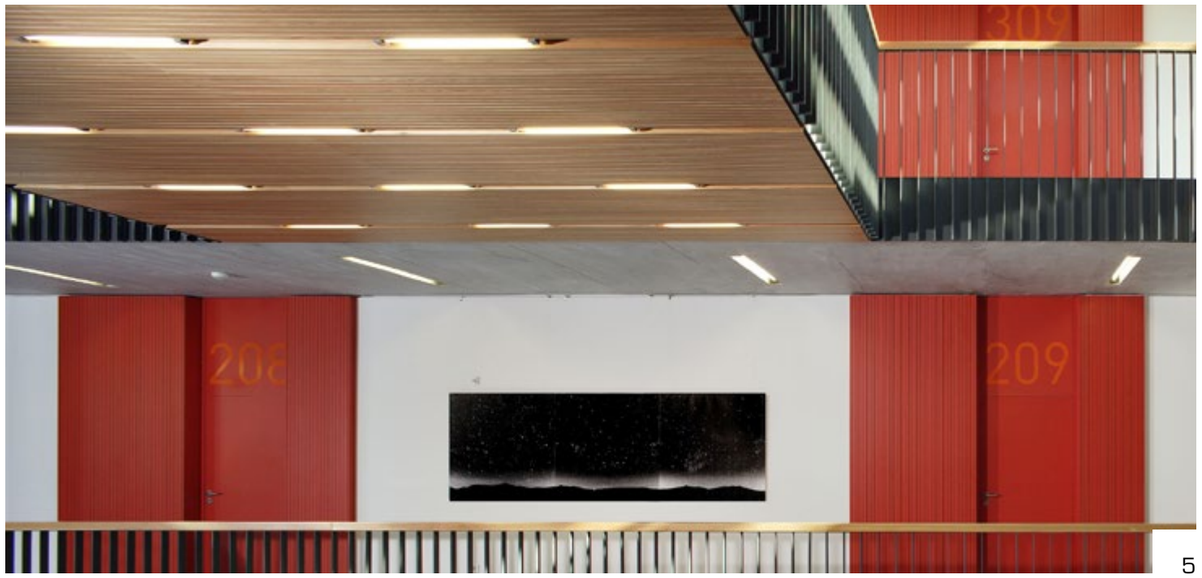


Advantages

- Optimum price-performance ratio
- Installation using a nail gun from Tavapan. Stapled through the slitting on the support structure.
- No visible transitions across the panel
- Short delivery time

Technical facts

Support board	Extruded tubular particle board
Fire resistance of the support board	Normal combustibility, DIN B2, EN D-s2-d0
Formaldehyde content	E1, corresponding to max. 0.1 ppm
Visible surface	▌ Veneered ▌ HPL laminated ▌ Lacquered in RAL/NCS colors ▌ Regularly or irregularly slitted
Rear side	▌ Compensation, unlacquered ▌ Closed or regularly slitted
Thickness	24 mm
Standard formats	1820, 2600, 3200 x 604 mm
Weight	11,5 kg/m²



REFERENCES

University
Hannover, Germany

Switzerland	Caserne Monte Ceneri, Rivera Assurance La Bâloise, Basel Bourse, Basel Bourse, Zürich Ciba-Geigy, Basel ETH, Zürich Salle du Jubilé, Magglingen Hôpital cantonal, Luzern Assurance La Mobilière, Bern Opéra, Zürich BUWAL, Uttigen Restaurant MC Donald, Fribourg Gare Centrale, Brig
Germany	Flughafen, Frankfurt am Main Daimler Benz AG, Mannheim ZDF Studios, Unterführung Klinik Deggendorf, Deggendorf Universität, Hannover Schule, Sigmaringen
France	Ministère de la Défense, salle informatique, Dijon Citroën, salle de projection, St-Ouen Bureaux, Dassault, St-Cloud École, Nanterre Maison Lafitte, restaurant, St-Nicolas
United Kingdom	America Community School, Samsung UK, Billingham St. Mary's School, Cambridge Alexander Gibson Opera School, Glasgow Government Conference Centre, London Thomas Johnstone Ltd. Erskine Hospital, Renfrewshire Brook Western Technical College, Corby Northumbria University, Newcastle Blossom House School, London North Glasgow College, Glasgow Community Centre, Bernera
China	Hong Kong Contemporary Art Museum, Hong Kong
South Korea	Inter Airport Radio Studio, Séoul
United Arab Emirates	Latifa School, Dubai Sheikh Rashid School, Dubai Theatre Engineering Trading Co., Sharjah Library, Abu Dhabi SCS Multipurpose Hall, Sharjah
Jordan	United Jordanian Company for Investments, Amman
Norway	Adger University
Qatar	Qatar University, Doha
Singapore	Premas Training Room, Singapour Science Center, Singapour

THE CREATIVE

Timeless design and excellent absorption values characterize the CREAWOOD panels. Three layers of horizontal and vertical slits allows for a wide variety of configurations to meet every acoustical requirement. With the tongue and groove system, the panels can be strung together endlessly with a seamless design that incorporates high acoustical performance with a beautiful finish.

Advantages

- Support board available in fire prevention class DIN B2 (normal combustibility) or DIN B1 (difficult to ignite)
- Easy installation with nail clips on tongue and groove
- Large variety of design options
- Wide-range of acoustic absorption

Technical facts

Support board	MDF, medium-density fiberboard
Fire resistance of the support board	▌Normal combustibility, DIN B2, EN D-s2-d0 ▌Difficult to ignite, DIN B1, EN B-s2-d0
Formaldehyde content	▌E1, corresponding to max. 0.1 ppm ▌E0 without formaldehyde (max. 0.03 ppm)
Visible surface	▌Veneered ▌HPL laminated ▌Lacquered in RAL/NCS colors ▌Regulary slitted
Rear side	▌Raw, unlacquered ▌Closed or regularly slitted
Thicknesses	19 mm
Standard formats	2000, 2600, 2780, 3600, 4080 x 199 mm
Weight	With normal combustible support board: 10,5 kg/m^2 With difficult to ignite support board: 11,0 kg/m^2

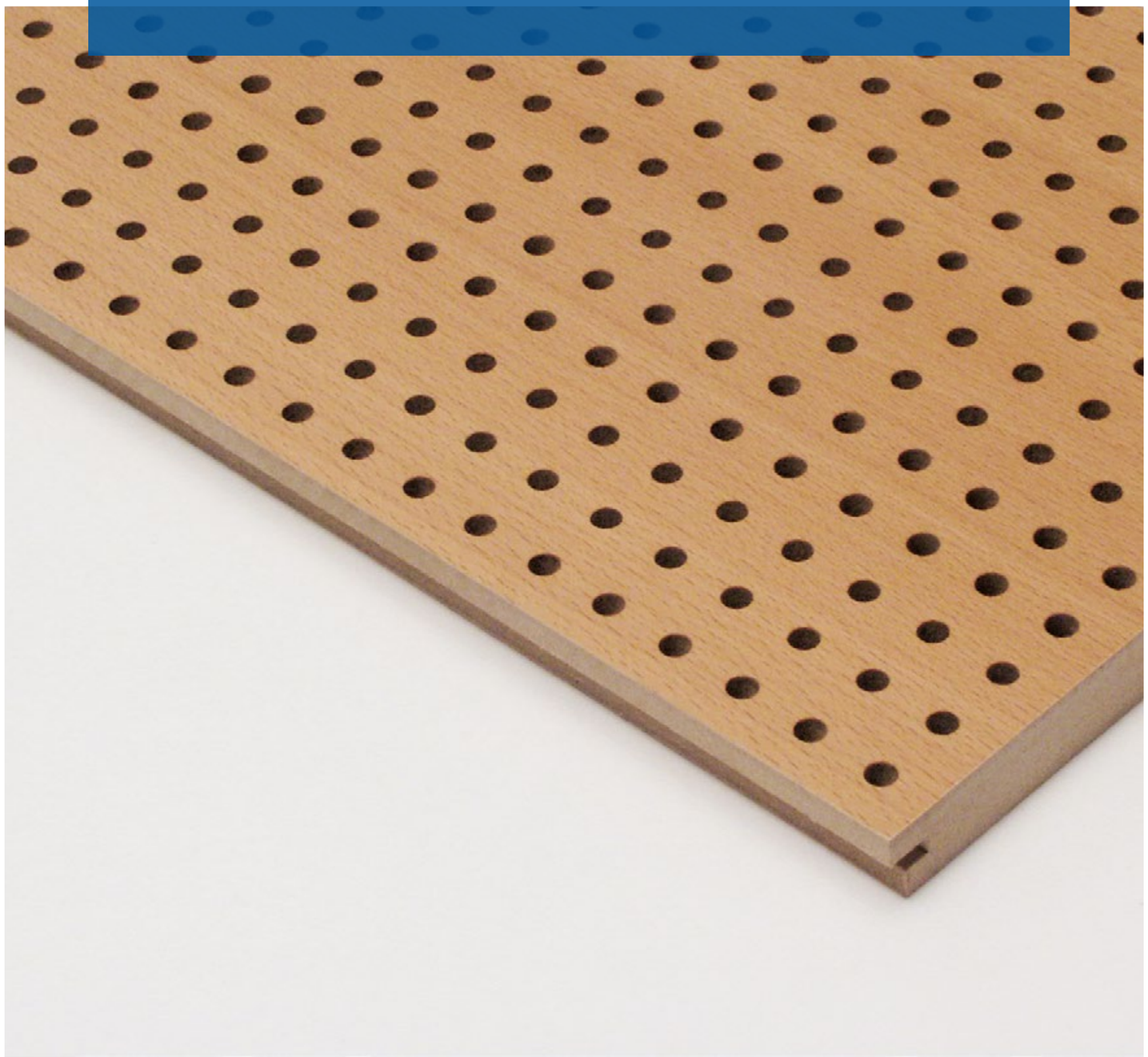
Diplomatic Convention Center
Courneuve, France

REFERENCES

Switzerland	Salle de gymnastique, Hérémence Bistro Morillon, Bern Salle de gymnastique, Mache Bâtiment communal, Vaulruz Villa individuelle, Belprahon Direction de l'Edilite, Fribourg Bürstenfabrik, Rapperswil-Jona
Germany	Klinik, Deggendorf Universität, Mannheim Volkshochschule, Rosenheim Restaurant Flughafen, Hannover
France	Amphitheater Desvallières Bourcet, Paris Université, Strasbourg ZAC Metro, Asnières Centre culturel, Rennes CMA caféteria, Marseille Pôles diplomatiques, La Courneuve Casino, Saint-Malo Salle de jeux et réfectoire, Ville de Chateaugay Théâtre de Thuir, Thuir Centre des arts, Enghien-les-Bains Collège Jean Pelletier, Orléans Maison d'acceuil, Epinay sur Orge
Belgium	Flughafen, Gosselies Auditoire, faculté des sciences, Namur
United Kingdom	North Glasgow College, Glasgow WBC Depot, Surrey Noel Baker School, Derby
Canada	Royal Ottawa Hospital., Ottawa Central Archives, Ottawa Court of Queens Bench, Saskatoon Steinbach High School, Manitoba Canada Council for the Arts, Ottawa
China	North Point Church, Hongkong UBS Office, Hongkong
South Korea	Castle Peak Hospital, Seoul
United Arab Emirates	Heritage Theatre, Abu Dhabi Halul Island, Doha, Qatar IT Collage Al Ain, Dubai
Taiwan	Chung Shan Hall, Taipei

THE UNIVERSAL

The panel surface options and the wide range of perforation styles allows the TAVAPERF acoustic panels to have an impressive variety of design possibilities and acoustical options. Where design dictates, we can meet your wishes.

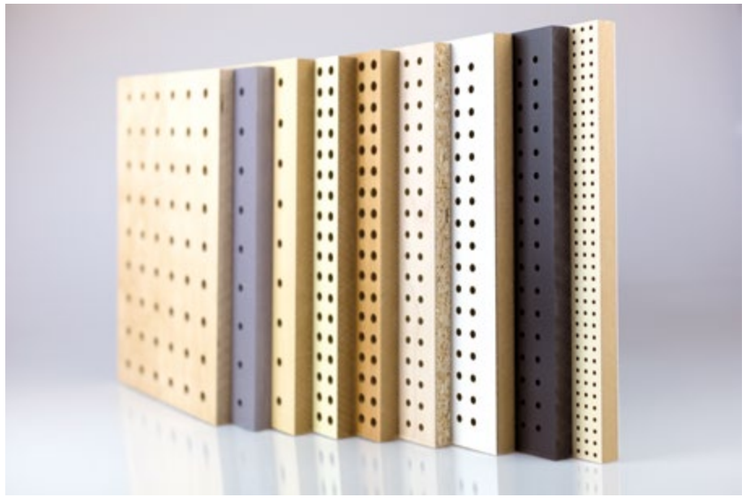


Advantages

- All formats possible (considering support board formats)
- Available with support board in fire protection class B1 (flame-retardant), euro class B and A2 (non-combustible)
- Available with moisture resistant support boards
- Invisible installation through blind hole bores

Technical facts

Support board	MDF, particle board, plywood, Knauf
Fire resistance of the support board	▌ Normal combustibility, DIN B2, EN D-s2-d0 ▌ Difficult to ignite, DIN B1, EN B-s2-d0 ▌ Non-combustible DIN A2, EN A2-s1-d0
Formaldehyde content	▌ E1, corresponding to max. 0.1 ppm ▌ E0 without formaldehyde (max. 0.03 ppm)
Thicknesses	Standard thickness = 16 mm Other thicknesses available on demand
Formats	Formats selectable Optimum measure: 2780 x 1020 mm Maximum measure: 5000 x 1250 mm
Visible surface	▌ Raw ▌ Veneered ▌ Melamine coated ▌ Laminated ▌ Lacquered in RAL/NCS colors
Rear side	Compensation, unlacquered
Individual solutions	▌ Acoustic fleece ▌ Blind hole bores as installation aid ▌ Cut-outs ▌ Stepped perforation ▌ Edge distances



Sports Hall
Conthey, Switzerland

REFERENCES

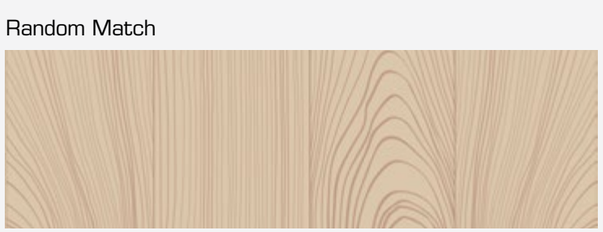
Switzerland	Casino, Gstaad Salle de sport, Gland Centre scolaire, Oberdorf École primaire – salle de gymnastique, Plan-Conthey École des professions, Yverdon Salle de sport, Courtepin Salle de sport Dennigkofen, Ostermundigen Salle de sport, Weinfelden Université, Freiburg Église, Sion Eglise, Le Noirmont
Germany	Winzerhof, Nordheim Studienbüro Wirtschaftswissenschaften, Hamburg Schlossberghalle, Lörrach-Haagen
France	Bureaux, Dassault, St.-Cloud Studio d'enregistrement, Fleury Mérogis Bureau LVMH, Boulogne sur Seine Bibliothéque,Villemomble Amphithéâtre, Perpignan Bâtiments de l'assemblée nationale, Paris Salle de fête, Barr Gymnase Perrot, Ablancourt Farman, Paris
United Kingdom	New IOM Prison, Isle of Man Manormead Care Home, Hindhead Cornwallis academy sports hall, Kent
Israel	Herzelia University Hamizrahi Yahud Bank Phonix Insurance Scania, Colmobil
Turkey	Multipurposehal, Ankara

WOOD VENEER CUTS AND GENERAL INFORMATION

Veneer Assembly Methods

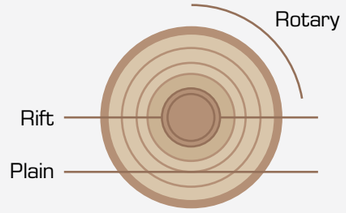
Slip Match

Random Match

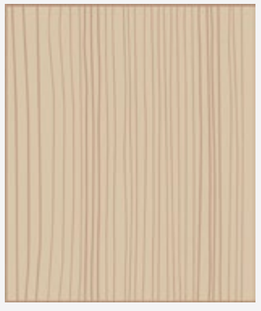


Book Match

Veneer Cutting Methods



Rift Cut



Half-Rift Cut

Plain Slicing, Crown Cut

Rotary Cut

Surfaces

Semigloss UV-lacquered

Veneered acoustic elements are manufactured with a semigloss UV-topcoat lacquer. The lacquer is free of solvents and composed of acrylate resins which cure under UV-light irradiation. Considering the state of the art at the selection of the lacquer, this treatment represents an eco-friendly solution for an optimum wood protection.

Non Lacquered, Raw

On demand, the acoustic elements are delivered sanded and unlacquered.

For Painting

Paintable acoustic elements are veneered and sanded by us and delivered without other surface treatments.

Lacquered

On demand, the elements are lacquered in RAL/NCS colors (all hues possible) or HPL/CPL-coated (0.6 mm or 0.8 mm) by us.

Color Deviations

Natural, black or colored MDF-boards are manufactured industrially. The prevention of color deviations within different batches cannot be guaranteed. A topcoat protection lacquer may intensify such color deviations. Such color deviations do not qualify for a complaint.

Formaldehyde Content

We only use boards which meet the european emission values E1 or which are jointed with a formaldehyde-free glue.

Resistance Against Sport Balls

The resistance against sport balls according to DIN 18 032 part 3 of the acoustic elements has been proved and certified by the Otto Graf Institute in Stuttgart.

Climate Conditions

Inappropriate relative humidity during transport, storage or assembling of the acoustic elements could lead to deformation and weight differences. TAVAPAN SA refuses any warranty compensation for damages caused by inappropriate handling. The commodity has to be controlled by the customer when receiving it. Deficiencies need to be reported within 3 days. The acoustic elements may only be installed at normal room climate. In new buildings, all windows and doors have to be installed and the rooms completely dried out. The wood moisture may not be higher than 10 %. Whereas the room humidity may not be under 35 % (at 18 °C room temperature) or over 55 % (at 23 °C room temperature) according to standard SIA 164 and DIN 66754, 68750. For size tolerances, the standard DIN 68762 is applied.

Veneer

All of the TAVAPAN acoustic products can be veneered with most of the common kind of woods. To achieve homogeneity in terms of color and texture, the veneers are processed according batch order. Veneer is a natural product made of wood. Therefore, its regularity can not be ruled or determined. The picture of the veneer is influenced by the cutting and the assembly of the sheets. The matching is made order-related. Customers have the possibility to join the selection of the veneer and to voice their desires. Growth-related color deviations as described before do not qualify for a complaint. The customer has the possibility to deliver his own veneer for further processing.

INDIVIDUAL SOLUTIONS

Some technical challenges require specific advice. The team of TAVAPAN will be glad to assist you to find the best solution possible. Be it for a quotation or for information about our products, please do not hesitate to contact us.

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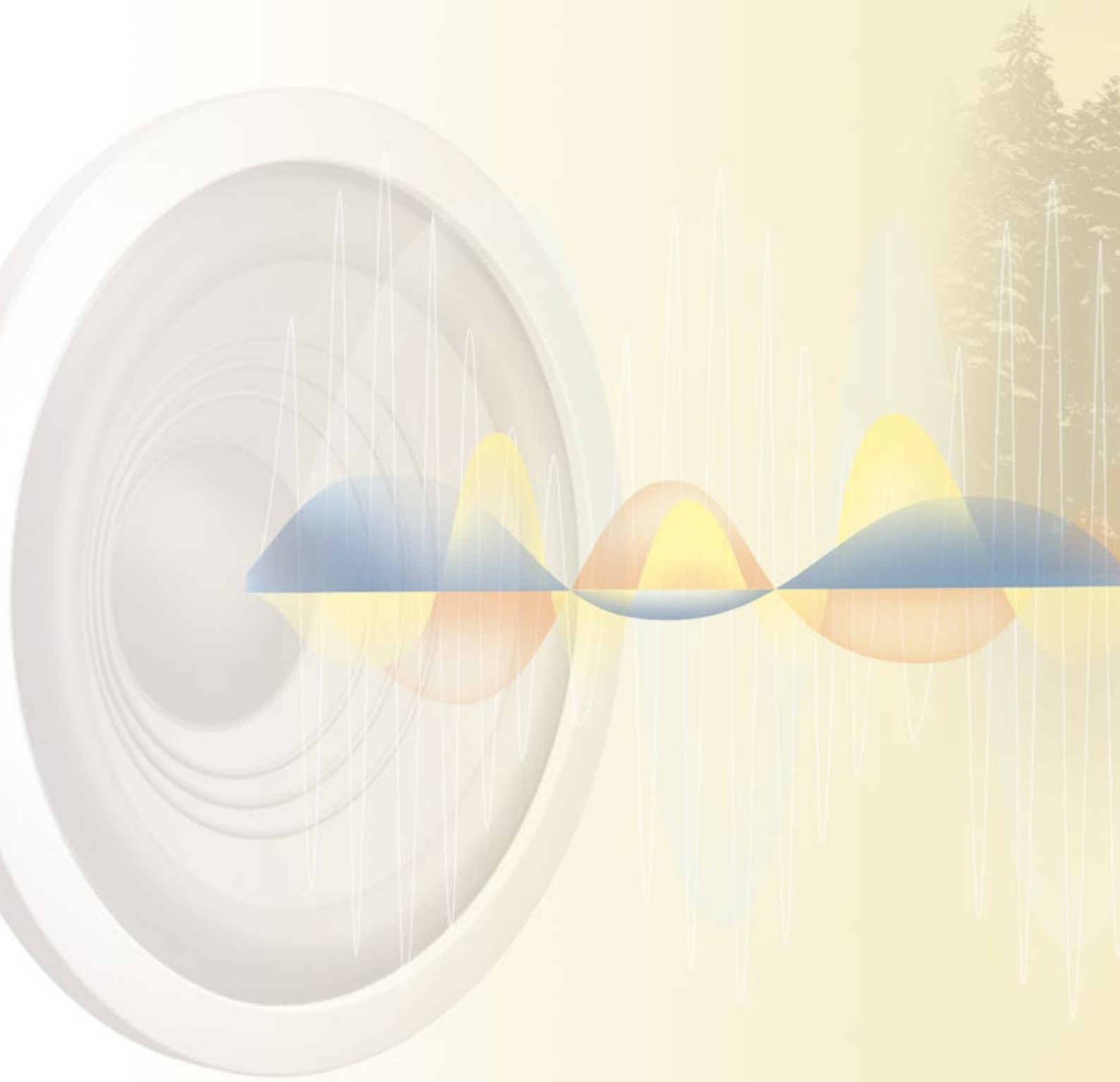
Do not hesitate to contact us. We will be pleased to advise you.

Your supplier of quality
acoustic products.



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