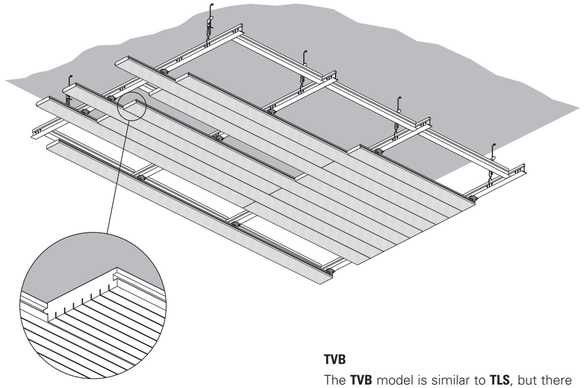
System overview

Topline® panels have a groove of 2, 3 or 4 mm on the visible side.
Versions with a 2 mm groove: 6/2, 9/2, 14/2, 30/2, 46/2.
Versions with a 3 mm groove: 13/3, 29/3, 45/3.
Versions with a 4 mm groove: 12/4, 28/4, 44/4.



TLD
The grooves are on the visible side on the **TLD** model. The reverse side is closed. Applicable primarily for reflection and partially for diffusion of sound energy. The absorption rate is low. The **TLD** model should be combined with the other models.

TLS
A small opening (oval shape) can be seen on the visible side with the **TLS** model. This is achieved through a staggered single groove pattern from the other side.

TVB
The **TVB** model is similar to **TLS**, but there is now a double groove pattern with the oval opening remaining hidden on the visible side. This version gives a calm overall impression while ensuring a high level of sound absorption.

TTA and **TLQ**
On the **TTA** model, a round perforation is visible on the visible side with a regular or staggered single drill pattern of 16 or 32 mm (centre to centre) as preferred. There is a double perforation for **TLQ**: 1.5 mm on the visible side and 5 mm on the other side. This gives a calmer impression while maintaining a high level of sound absorption.

Only wood which meets FSC/PEFC directives and which comes from reforestation areas is used in the production of Topline®. Only raw materials which are not harmful to people or the environment are used in the manufacturing process. Green electricity is used during the production process and heat from the production process is re-used. All remaining materials are offered separately for complete recycling. Topline® meets basic cradle-to-cradle principles.

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Ceilings

Sun Louvres

Façades

Belgium
Bulgaria
Croatia / Slovenia
Czech Republic
Denmark
France
Germany
Greece
Hungary
Italy
The Netherlands
Norway
Poland
Portugal
Romania
Russia
Serbia
Slovakia
Spain
Sweden
Switzerland
Turkey
United Kingdom
Africa
Middle East

Asia
Australia
Latin America
North America

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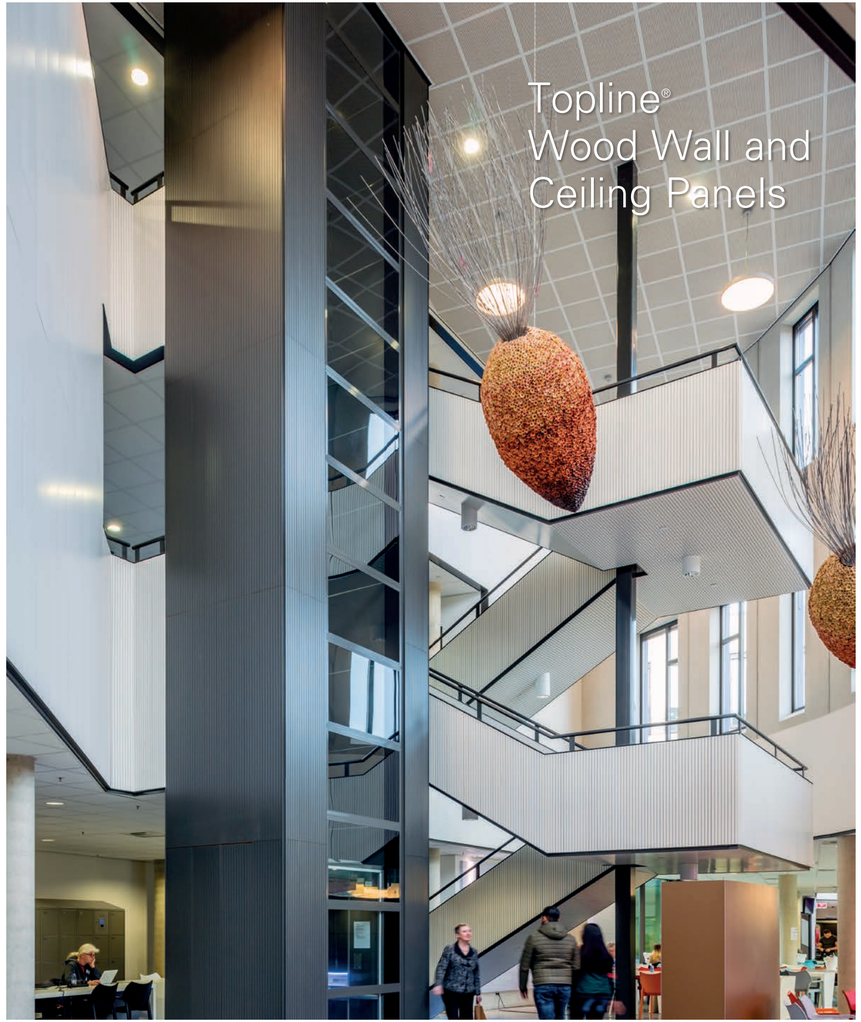

Topline® Wood Wall and Ceiling Panels

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Topline®- Wood Wall and Ceiling Panels

Natural design and acoustic comfort

Walls and ceilings are essential for achieving acoustic comfort and set the tone for a room. For Topline, the combination of sound reflection, sound diffusion and sound absorption can be fully coordinated with the requirements of the room in question. The visible side shows symmetrical grooves, while the other has a perforation design that enables sound energy to pass through.

The core of the panel consists of MDF engineered solid wood (ESW) with a decorative finish of either a high quality real wood veneer, melamine, cork or a spray applied paint finish to any RAL colour.

Special clips make installation in a T-24 grid or directly onto a framework of Omega profiles or wood slats very quick and straightforward. The tongue and groove design on the panel edges creates a wall or ceiling solution with a consistent appearance.

Cover : Arcus College Heerlen, The Netherlands
Product : Topline® TTA 28/4 RAL white
Architect : IAA Architecten

Project : Rabobank, Doetinchem, The Netherlands
Product : Topline® TLS 13/3, bamboo
Architect : AWG Architecten

Promoting sustainable forest management
www.pefc.org

Great design freedom

Topline® offers architects design freedom:
- Top layer: a choice of over 40 veneer types/HPL-melamine decor/cork.
- Various perforation patterns for effective acoustic performance.
- Finish: colour stain/matt or gloss paint/RAL or NCS colour.
- Available as a ceiling and wall solution.

Installation

Topline® panels with tongue and groove are supplied with installation materials. The basic construction for walls consists of a wood frame or metal omega profiles. Metal clamps connect the panels to the basic construction. A continuous pattern is visible following installation.

T-24 profiles in combination with rotatable clamps can also be used for ceilings. Inspection openings are used for inspection in the plenum.

The Topline® removable ceiling cassettes are installed with T-24 profiles. Following installation, the cassettes can be removed individually, making complete access to the plenum possible.

Specifications

Base material : 16 mm fire-retardant MDF (B-s1,d0 - EN 13501-1). moisture-resistant MDF also available.
Top layer : high-grade veneer/HPL-melamine decor/cork
Perforation : TTA - Round perforation
TLS - Groove perforation
TVB - Double groove perforation
Double groove with V groove
TLD - Decorative, non-perforated.
Panel dimensions : 128/262 x 2050/2780 mm.
Cassette dimensions : 600 x 600 mm
1200 x 600 mm.
Other sizes available on request
Installation system : by means of metal rotatable clamps on T24 grid. Direct attachment to frame with screw clamp also possible.
System : ceiling or wall.

Acoustics

Acoustic comfort has a great deal of influence on how a room is experienced. An acoustic fleece is applied to the panels in the factory for the absorption of sound energy.

The table shows the test results for three types of Topline® ceiling systems;

Topline® TLS 6/2
- 17 mm-thick panel, 14.3% openness.
- UV polyacrylic varnish finish.
- Soundtex 0.2 mm.
- Rockwool 50 mm.
- Test method: ISO 11654 ASTM-C423.

Topline® TLS 13/3
- 17 mm-thick panel, 11% openness.
- UV polyacrylic varnish finish.
- Soundtex 0.2 mm.
- Rockwool 50 mm.
- Test method: ISO 11654 ASTM-C423.

Topline® TLS 14/2
- 17 mm-thick panel, 7.1% openness).
- UV polyacrylic varnish finish.
- Soundtex 0.2 mm.
- Rockwool 50 mm.
- Test method: ISO 11654 ASTM-C423.

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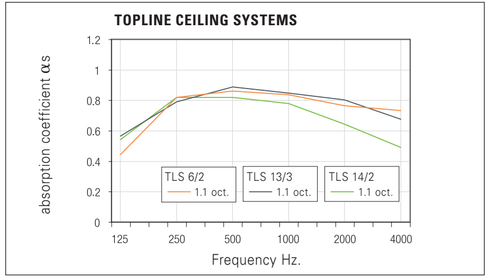
Above : Hoogheemraadschap Hollands Noorderkwartier (northern quarter water board), Heerhugowaard, The Netherlands
Product : Topline® wood wall panels
Architect : Rudy Uytenhaak Architectenbureau



TOPLINE TLS 6/2 α_w : 0.90 - NRC: 0.95

FREQUENCY (HZ)	125	250	500	1000	2000	4000
1/1 Octave	0.46	0.87	0.97	0.93	0.89	0.75

TOPLINE TLS 13/3 α_w : 0.80 - NRC: 0.80

FREQUENCY (HZ)	125	250	500	1000	2000	4000
1/1 Octave	0.57	0.81	0.85	0.82	0.76	0.72

TOPLINE TLS 14/2 α_w : 0.65 - NRC: 0.75

FREQUENCY (HZ)	125	250	500	1000	2000	4000
1/1 Octave	0.55	0.81	0.81	0.79	0.63	0.49