KNAUF

DESIGNBOARD WOOD

Board, Tegular 15, Tegular 24, Vector

Exposed Grid

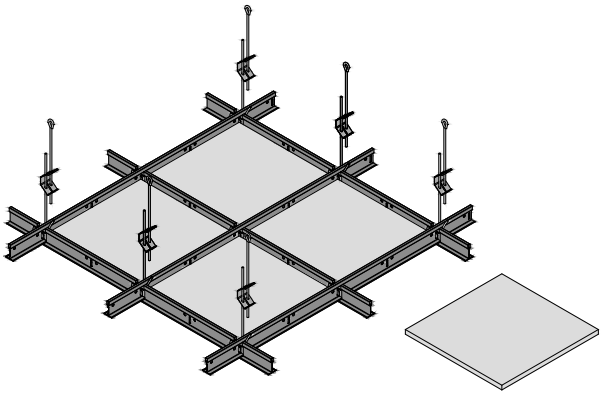
DESIGNBOARD WOOD Exposed Grid can be used in all areas of premium interior ceilings, and is available in two gypsum fibreboard options, depending on the required reaction-to-fire class. The products are made of real wood veneer and lacquered on the visible surface.

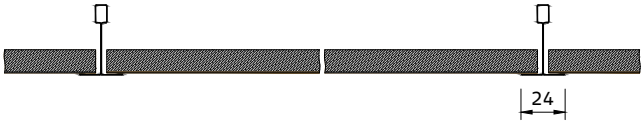
- Lay-In tiles are available in a variety of edge details for installation on standard 15 and 24 mm suspension systems
- Easy installation and service accessibility
- Range of patterns for acoustic performance
- Shape and dimension flexibility
- Low swelling and shrinkage when climatic conditions change
- Verified non-polluting carrier board
- Robust surface
- Used in a variety of spaces: Entrance halls, lounge areas, executive suites, meeting and conference rooms

Build on us.

DESIGNBOARD WOOD

DESIGNBOARD WOOD Board





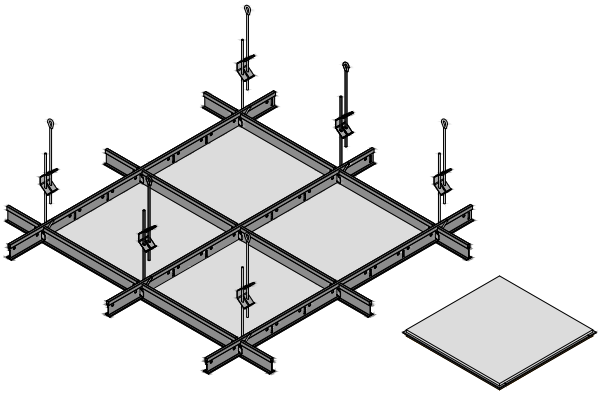
Tiles

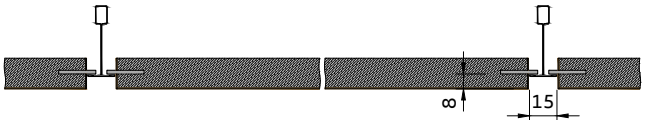
Material	gypsum fibreboard with real wood veneer 12.6 mm
Edge detail	without edge banding
Modules	600 x 600 mm, 1200 x 300 mm, 1200 x 600 mm

Suspension system

Standard	24 mm T-Grid, butt-cut (System C)
Optional	15 mm T-Grid, butt-cut (System C)

DESIGNBOARD WOOD Tegular 15





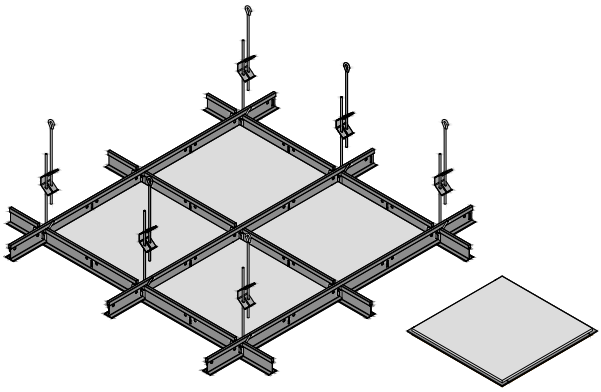
Tiles

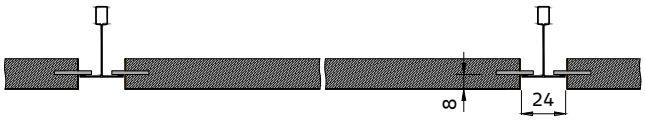
Material	gypsum fibreboard with real wood veneer 16.4 mm
Edge detail	with 8 mm drop, with black aluminium spline, with edge banding on all four edges
Modules	600 x 600 mm, 1200 x 300 mm, 1200 x 600 mm

Suspension system

Standard	15 mm T-Grid (System C)
Optional	PERFECTLINE XL²

DESIGNBOARD WOOD Tegular 24





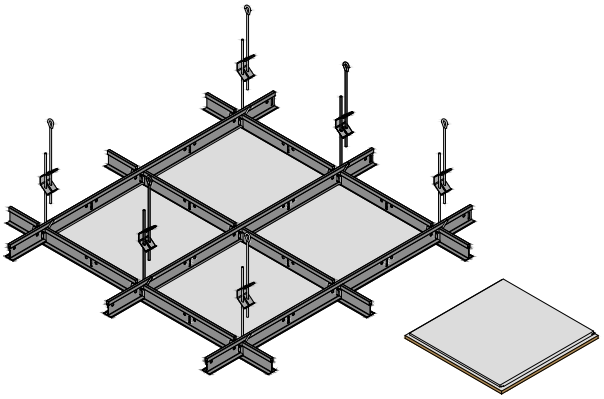
Tiles

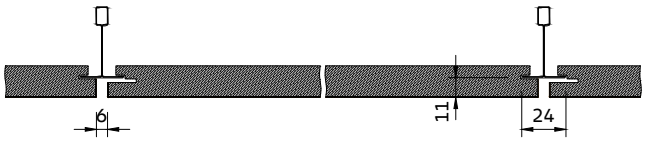
Material	gypsum fibreboard with real wood veneer 16.4 mm
Edge detail	with 8 mm drop, with black aluminium spline, with edge banding on all four edges
Modules	600 x 600 mm, 1200 x 300 mm, 1200 x 600 mm

Suspension system

Standard	24 mm T-Grid (System C)

DESIGNBOARD WOOD Vector





Tiles

Material	gypsum fibreboard with real wood veneer 16.4 mm
Edge detail	with 6 mm reveal, with edge banding on all four edges
Modules	600 x 600 mm, 1200 x 300 mm, 1200 x 600 mm

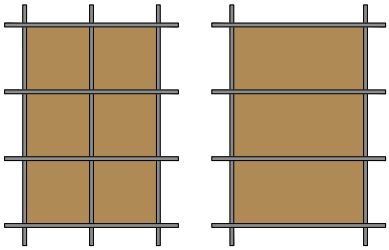
Suspension system

Standard	24 mm T-Grid (System C)

DESIGNBOARD WOOD

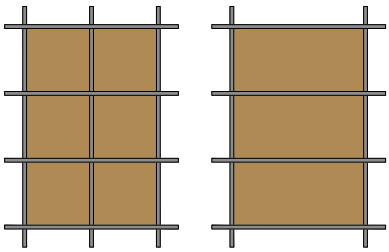
DESIGNBOARD WOOD Board





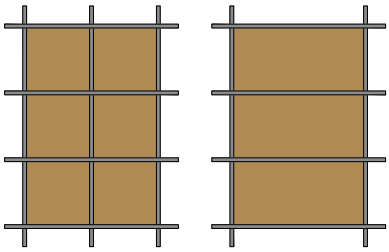
DESIGNBOARD WOOD Tegular 15





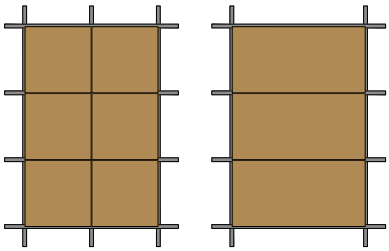
DESIGNBOARD WOOD Tegular 24





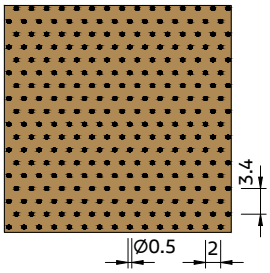
DESIGNBOARD WOOD Vector



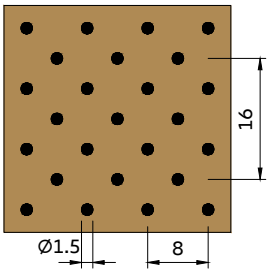


Patterns

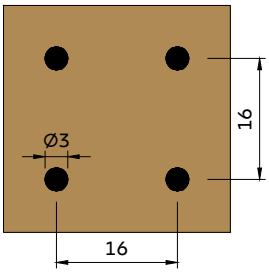
Rv 0506 (0.5 / 3.4-1 N)
6% open area



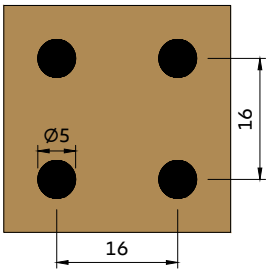
Rd 1506 (1.5 / 8-4 M) *
Rg 10031 on rear side,
6% open area



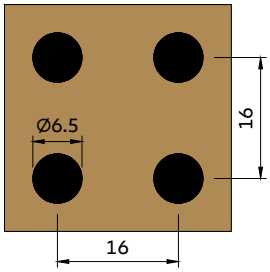
Rg 3003 (3-16 R) *
Rg 10031 on rear side,
3% open area



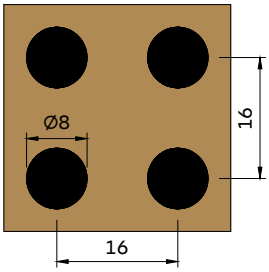
Rg 5008 (5-16 R)
8% open area



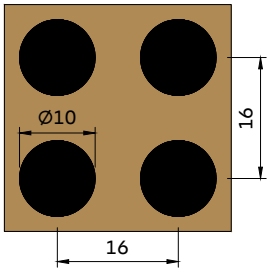
Rg 6513 (6.5-16 R)
13% open area



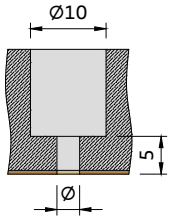
Rg 8020 (8-16 R)
20% open area



Rg 10031 (10-16 R)
31% open area



* double perforation



All round perforations are delivered with unperforated border of ≈30 mm, except Rv 0506 perforation.

Acoustics	EN ISO 354								
	α_w	Cavity [mm]	Class	Frequency f (Hz)						NRC
				125	250	500	1000	2000	4000	
Rv 0506 + acoustic fleece	0.70(L)	200	C	0.35	0.75	0.90	0.70	0.65	0.65	0.75
Rd 1506 + acoustic fleece	0.40(LM)	200	D	0.35	0.70	0.80	0.55	0.40	0.20	0.60
Rg 5008 + acoustic fleece	0.45	200	D	0.35	0.40	0.45	0.45	0.40	0.50	0.40
Rg 6513 + acoustic fleece	0.55	200	D	0.40	0.50	0.60	0.50	0.50	0.60	0.55
Rg 8020 + acoustic fleece	0.65	200	C	0.45	0.60	0.75	0.65	0.60	0.70	0.65
Rg 10031 + acoustic fleece	0.70	200	C	0.35	0.60	0.80	0.65	0.65	0.65	0.70

α_w: as per EN ISO 11654 / NRC: as per ASTM C 423-01

Real wood veneer options

Maple

Canadian Maple

Birch

Ash

Beech

Fir

Oak

Cherry

Bamboo

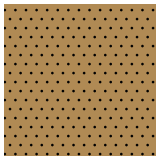
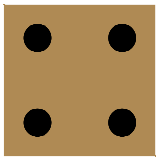
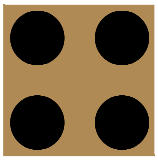
American Walnut

Walnut

Dark Oak

All veneers have a matt finish. Variation between wood veneer tiles may occur due to the natural characteristics of the wood and grain.

DESIGNBOARD WOOD

Characteristics	Detailed information
Standard real wood veneers	 Ash  Oak  American Walnut The recommended grid colour is black or grey (please check available options).
Standard patterns	 Unperforated  Rv 0506  Rg 5008  Rg 10031
Acoustic infills	Black acoustic fleece
Fire reaction	DESIGNBOARD 230 WOOD: **Euroclass A2-s1, d0** as per EN 13501-1 DESIGNBOARD 227 WOOD: **Euroclass B-s1, d0**
Densitiy gypsum fibreboard	**≈1100 kg/m³**
Weight	DESIGNBOARD WOOD Board: **10.1 - 13.6 kg/m²** the weight depends on the selected pattern option DESIGNBOARD WOOD Tegular / Vector: **13.6 - 18.4 kg/m²**
Humidity resistance	Unperforated / perforated: **45 - 70% RH** Rv 0506 perforation: **60% RH**
Thermal conditions	min. **10** / max. **30°C**
Surface	Abrasion resistance: **Degrees 2E** as per DIN 68861-2 Scratch resistance: **Degrees 4B** as per DIN 68861-4
Indoor air quality	A+ E1
Cleanability	
Conditions of installation	DESIGNBOARD WOOD products should be unpacked and stocked flat in an environment that is closed and not humid. DESIGNBOARD WOOD products should always be moved with care. Before installation, it is recommended to remove the packaging and stack the products flat for 3 to 8 days in the room where they will be installed in order to stabilise the products in their future environment and conditions of use. Possible dimensional variations in a humid environment are those from typical wood-based products. The installation of DESIGNBOARD WOOD products should take place during the last phase of the job, in closed, and sometimes temperature controlled, rooms. No additional work potentially increasing the level of humidity in the room should be undertaken after the products are installed (concrete and plasterboards should be dry). DESIGNBOARD WOOD products should be installed in strict accordance with Knauf installation recommendations.
Installation recommendations	DESIGNBOARD WOOD products are made with real wood veneers. As they are natural products, their colour and structure regularity cannot be guaranteed. In order to obtain the best decorative effect, we advise you to follow the points below: 1. Order all products at the same time 2. Display all the products before fitting 3. Arrange them aesthetically with regard to their shade and grain 4. Install the products accordingly With each order, it is recommended to allow for some extra pieces to accommodate for visual variations, as it will be very unlikely that similar looking products can be ordered later.