

The DERA KO systems combine practical and invisible installation with solid wood in its most authentic form. Due to the wide choice of wood types, sizes and finishes, there are numerous options for the appearance of your ceiling or wall.

Grill Base-line™ system

 **DERAKO**®
A Hunter Douglas Company 

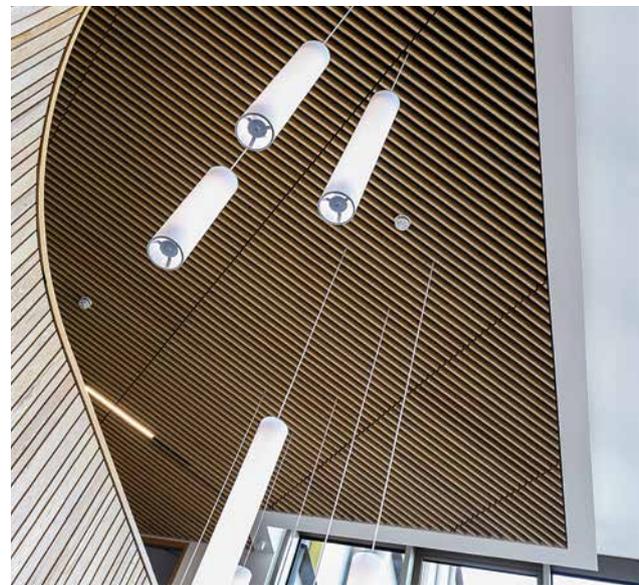
The power of wood

Wood can help achieve our sustainability goals in a very easy way. Wood is not only environmentally friendly and recyclable, but it also stores CO₂ and is renewable due to the growth of new forests. Wood is also a special building material in other ways, for example, as ceiling or wall cladding. In public buildings, the material can provide a better experience and reduce stress. The material soothes people, and in the healthcare sector, it even indirectly contributes to patients' recovery. The good acoustic properties of wood also provide a better experience. Thanks to their open structure combined with the natural attenuation of wood, the DERA KO systems have a very positive impact on the acoustics of the space. The DERA KO solid wood ceiling and wall systems are suitable for all construction sectors.

Grill system

The grill system consists of solid wood slats that are secured to each other using special dowels. These assembled slats together with the dowel form the grill panel, which is available in various lengths. Grill panels are inserted into each other using a half-wooden dowel connection, visually creating one interrupted surface.

- Flexible budget.
- Indoor and outdoor applications.
- Integral guarantee on wood, support system, finish and fire retardancy.
- Compatible with standard industrial lighting, HVAC, speakers, fire prevention and security equipment.



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Grill Base-line™ system

The DERA KO Grill Base-line™ system is the most cost-effective version within the grill product lines. This standard solution offers you numerous possibilities for both larger and small projects, in order to use solid wood as a ceiling or wall.

The Base-line system offers you the choice between a number of standard dimensions and four wood types. The order process is simple and carried out per panel. Thanks to standardisation and fixed wood types, we can generally produce quickly and efficiently. (Take a look at the possibilities via our fixed price list).

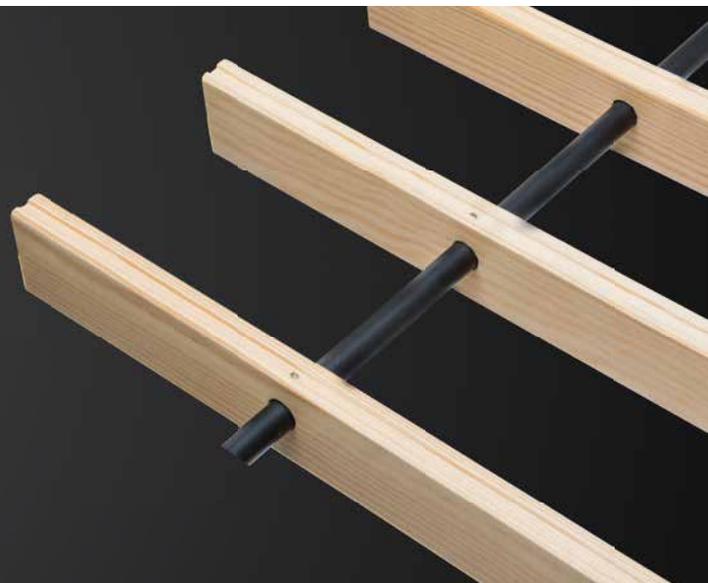
As standard, the Grill Base-line has a transparent finish to protect the wood. The wood is optionally also available with a colour finish of your choice. You can also opt to have the wood given a fire retardant treatment in accordance with European standards. Using an additional end slat on the panel and the wooden dowel end plugs, you can create blind panels for an island application, for example.

For custom-made grill panels, adjustments to dimensions and wood types or special curved shapes, DERA KO offers the Grill Pro-line and the Grill Exclusive-line. Would you like more information?

The DERA KO advisers are happy to help.

Maximum experience and the advantages of solid wood in the most cost-effective version

- Fifteen fixed grill dimensions and four different wood types.
- Design your ceiling and/or wall based on three standard panel lengths and various options.
- Simple installation and disassembly for maintenance.
- Easy ordering process and fast delivery.



Extremely functional

In terms of installation, the DERA KO systems comply with all the requirements of designers and installers. The specially developed DERA KO black Cross-Lock system with dowel clip ensures a uniform and rigid suspension of the panels and is quick to install. Industrial lighting, HVAC, speakers, fire prevention and security equipment can be easily integrated. You can find more information about this in the installation manual on our website.

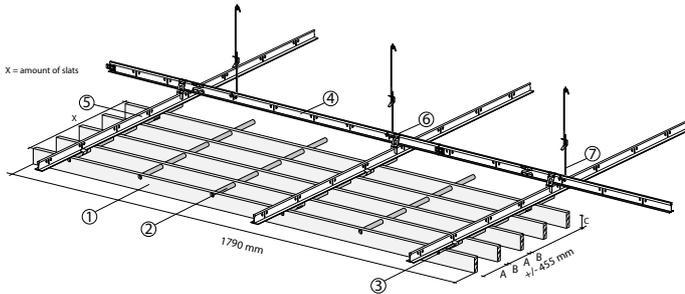
Thanks to the system's open structure, sound absorbing (sheet) material can easily be fitted behind the panels. This enhances the natural attenuation of wood and creates a very pleasant atmosphere. You can optionally also order acoustic black non woven tissue for the grill systems, including notches, preprocessed and custom-made to the size of your panel. These can easily be attached to the construction site during the installation of the panels.

Overview Grill Base-line™

For ceiling installation, the grill panels are installed invisibly with dowel clips and the DERA KO Cross-Lock system. For wall installation, the panels are installed using the special included wall clips.

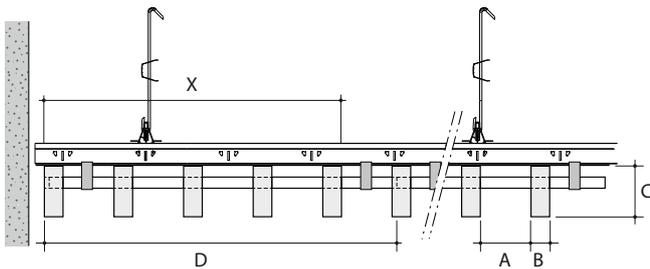
Grill Base-line™ ceiling system

- 1 = Grill Base-line panel
 - 2 = Aluminium dowel
 - 3 = Dowel clip
 - 4 = Primary support profile
 - 5 = Secondary support profile
 - 6 = Cross-lock bracket
 - 7 = Quick action hanger*
- * Can be ordered from an external party



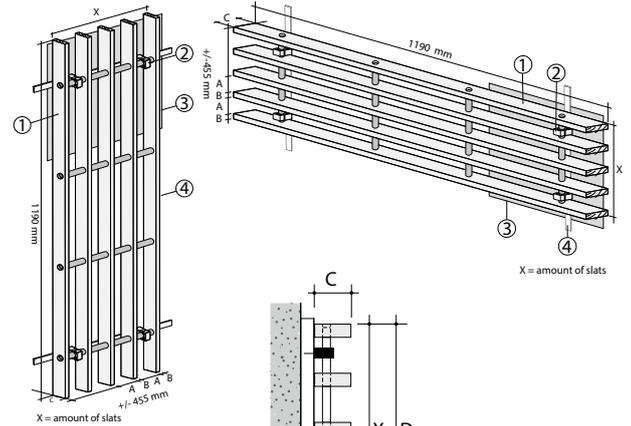
In addition to the 1790 mm panels shown, these are also available in lengths of 1190 and 590 mm.

Segment example



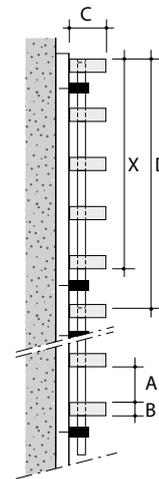
Grill Base-line™ wall system

- 1 = Grill Base-line panel
 - 2 = Wall clip
 - 3 = Sound absorbing (sheet) material*
 - 4 = Support structure*
- * Can be ordered from an external party



In addition to the 1190 mm panels shown, these are also available in lengths of 1790 and 590 mm.

Segment example



Wood species

The DERA KO Grill Base-line system is available in four different wood species, each with its own properties, appearance and tolerances. You select the desired wood specie on the basis of the design and the experience to be created. All wood types are very suitable for colour finishes in order to create a unique atmosphere and appearance.



Ayous



Yellow Pine



American Red Oak



Spruce

*These images only give an impression of the wood. For an exact reference, you can request a sample.

Dimensions and finish

The table below displays the available standard dimensions of the Grill Base-line product line.

Panels can be ordered with the following standard lengths:

- 1790 mm, with a panel surface of +/- 0.815 m²
- 1190 mm, with a panel surface of +/- 0.542 m²
- 590 mm, with a panel surface of +/- 0.269 m²

Wood specie	Amount of slats per panel (X)	Joint (mm) (A)	Thickness of slat (mm) (B)	Height of slat (mm) (C)	Width of panel (mm) (D)
Ayous, Yellow Pine American Red Oak	7	45	20	40	455
	6	56	20	40	456
	5	71	20	40	455
Ayous, Yellow Pine	7	45	20	65	455
	6	56	20	65	456
	5	71	20	65	455
Ayous, Yellow Pine American Red Oak	5	71	20	85	455
	4	94	20	85	455
	3	132	20	85	456
Spruce	9	33	18	40	459
	8	39	18	40	456
	7	47	18	40	455
Spruce	6	58	18	92	456
	5	73	18	92	455
	4	96	18	92	456

Fire retardant

To comply with fire safety regulations, the wood in the DERA KO systems can be given fire retardant treatment. This is done using the vacuum and pressure method, pressing the wood with a fire retardant substance. With this treatment, DERA KO ensures that the panels, installed as cladding or finishing materials, comply with the European Standard EN13964. The treatment process is carried out according to the KOMO guidelines and is checked periodically by the SKH, allowing us to use the necessary CE quality mark.

Fire stable

The DERA KO grill ceiling system has also been assessed for fire stability in accordance with the Belgian standard NBN 713-020, officially establishing that the system meets the fire stability requirement of 30 minutes. With a few adjustments to the product, the Grill Base-line product line can also be supplied as a fire stable ceiling. Would you like more information? The DERA KO advisers are happy to help.

Coating

As standard, the DERA KO systems are finished with high-quality varnishes to protect the wood from moisture, dust and dirt. These are non film-forming varnishes that penetrate deep into the wood. In addition to standard transparent varnish, a large number of colours are also available. The finish gives the wood a beautiful accent, maintaining the natural shades and structures of the wood.

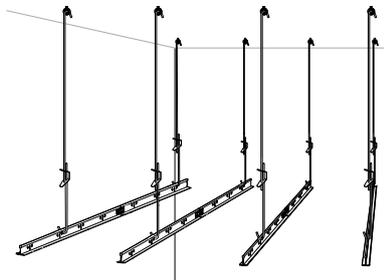


Installation

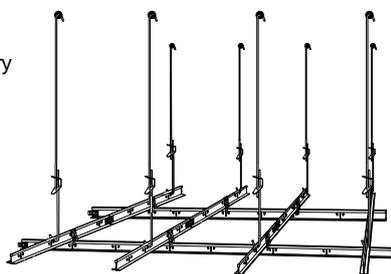
Ceiling system

The installation of the grill system as a suspended ceiling is done easily using the DERA KO Cross-Lock system and the dowel clip.

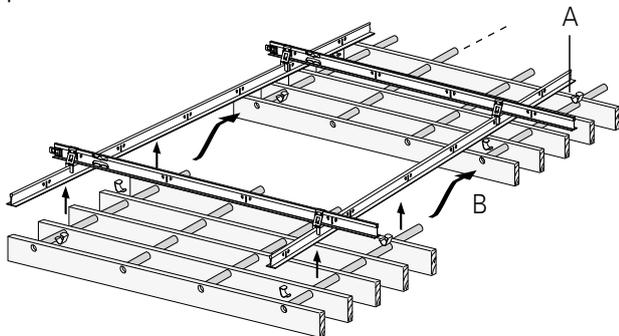
1. Install the hanger brackets.



2. Install the Cross-Lock system and the secondary support profiles.



3. Install the grill panel on the secondary support profile with dowel clip (A). Connect panels properly (B). Place at least 2 dowel clips in opposite positions for every connection between support profile and dowel.



For a detailed explanation of the installation, please refer to our installation manual on the website.

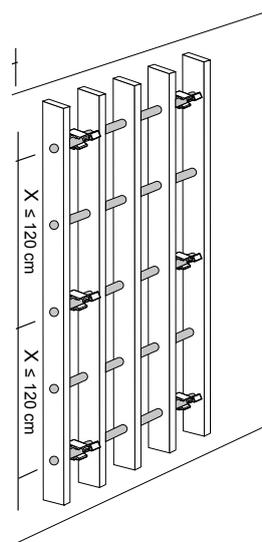
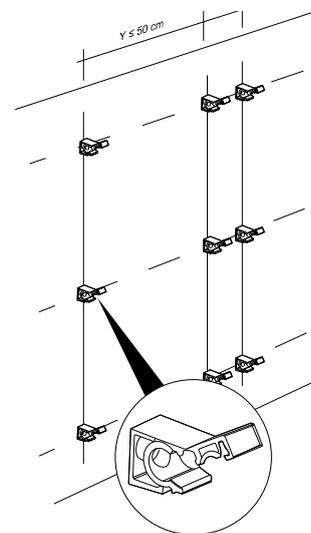
Wall system

For wall installation, the grill panels are placed in wall clips.

1. Install the wall clips on the outer position of the panel.

Mount the wall clips on the wall beforehand according to the previously determined dimension.

2. Connect the grill panel properly and then click the wall clips shut.



Ordering and delivery

- Orders are only accepted with precisely specified numbers per panel and lengths, via the order form.
- Optional with fixed additional costs for colour and fire-retardant treatment.
- Delivery within 6-8 weeks. Production and delivery schedule are determined by DERA KO. (Large projects are supplied in partial deliveries)
- Elaborated project laying plan or a site visit are possible at additional cost based on subsequent calculation.



DERAKO, Inspired by Nature™

As an industrial producer and supplier of solid wood systems, DERAKO is always working on increasing application possibilities in the construction industry. In collaboration with designers, contractors and installers at home and abroad, we develop creative, aesthetically pleasing and sustainable solutions. DERAKO wants to be sure that all products have a lasting positive influence on the health of humans and the environment.

Not only is wood with its CO₂ storage an extremely environmentally friendly raw material; much attention is also paid to the system and finishing materials. For example, the DERAKO varnish finish is environmentally friendly and the solid wood system is low-emission (A+ certified). DERAKO also makes increasing use of renewable energy sources in its production and attention is paid to the responsible management of raw material resources.



Cradle to Cradle®

DERAKO manufactures and works according to the Cradle to Cradle® principle which not only looks at our current needs but also at the possibilities for future generations. Within five quality categories, we continually work on improvements in this regard. These improvements are in the areas of material health, reuse of materials, renewable energy and carbon management, water management and social justice. DERAKO is Cradle to Cradle Silver certified.

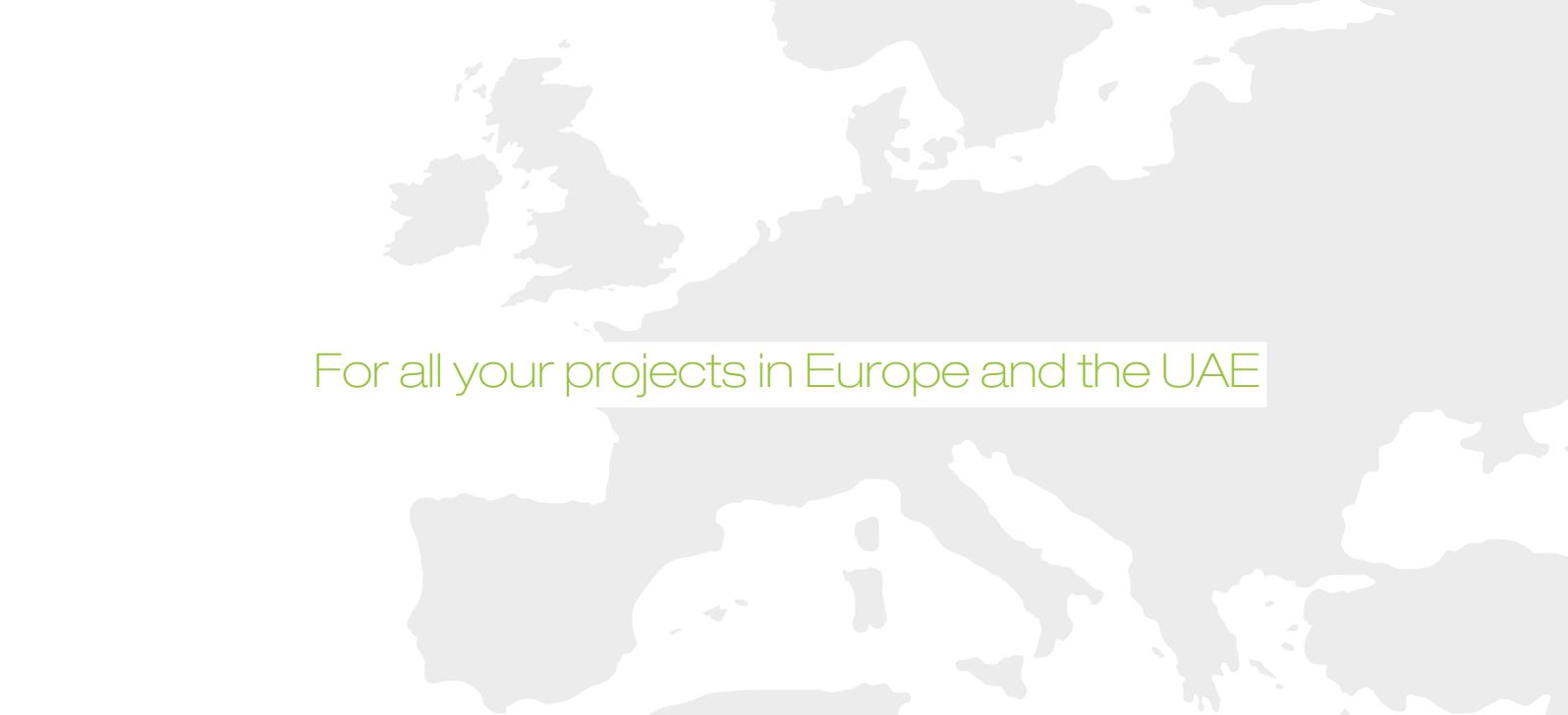


FSC® and PEFC

DERAKO is FSC® and PEFC-certified and where possible supplies the systems with these sustainably certified wood types upon request. The DERAKO advisers are happy to inform you about the possibilities.

Credits for BREEAM and LEED

The Derako ceiling, wall and façade systems can directly contribute to obtaining credits within the BREEAM and LEED evaluation and certification systems. Ask our product advisers for more information.



For all your projects in Europe and the UAE



Ceiling system

The DERAKO ceiling system is unique in its kind due to its many advantages. It is available in a linear and grill design. Aside from the standard panels, specials such as curved wood and fan panels are also available. All designs are suitable for indoor and outdoor applications.



Wall system

Making a complex design clear and simple. It's possible with the DERAKO solid wood wall system. The special substructure offers various technical and dimension options and the fastening is at the rear of the slat. Available in a linear and grill design, in standard dimensions or unique shapes.



Façade

Sustainable façade cladding with a unique appearance. The DERAKO solid wood façade system is an innovative, optimally ventilated open façade system that is quick to install thanks to its ingenious invisible mounting. It can be installed horizontally or vertically and fitted with a façade foil to protect the façade or achieve the desired colour scheme.



The mark of
responsible forestry
FSC® C095185



Inspired by Nature

DERAKO
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Design: www.emogy.nl 202209V10