


 **DERAKO**[®]

A Hunter Douglas Company 



Derako **Eco Silent Panel**





Optimal acoustics and experience

Good acoustics are essential for a pleasant experience of a room. In addition to well-being, good acoustics promote productivity, concentration, learning performance and communication in a room. Combine this with the strength of wood with great durability and natural appearance. This way you create an optimal experience and a healthier living and working climate.

Solid Wood Grill System

The Derako Grill System consists of solid wooden parts, which are mutually fixed and secured by aluminium dowels. The tailor-made panels are attached to the Derako black Cross-Lock carrying system. The flexibility within the system ensures for complete design freedom. With the standing wooden slats in the Grill system you can easily create depth and a natural and unique appearance of the room.



Derako Eco Silent Panel

Wood naturally already has sound-absorbing properties. To make the room extra acoustically sound-absorbing, Derako now offers an addition to the grill system; the 'Derako Eco Silent Panel'. These acoustic panels are made of polyester wool. The fibres of the wool originate 60% from recycled PET bottles. In addition, polyester wool does not contain any unwanted chemical binding agents or toxic substances that can cause allergic reactions or skin irritations.



Advantages Derako Eco Silent Panel

- Acoustically strong sound-absorbing material.
- Very dimensionally stable and elastic
- The number of panels is exactly matched to your Grill project.
- Dimensions match the size of the Derako Grill carrier system.
- Fast installation and no cutting loss. Can be installed immediately and is easily cut to size if necessary.
- Sustainable product.
- Fire retardant, fire class B-s1,d0.
- Available in white and black.

Properties

Technical properties

- Sound absorbing according to EN ISO11654
- Fireproof (according to EN 13501-1-2002 certificate)
- Non-irritating to skin and eyes (Report 10061 and 10062)

Shape, appearance and colour

Polyester wool is a flat plate with straight sides. The material is elastic and does not deform. The product is available in black and white.



Ecological properties

- Recyclable (100% PET)
- Oeko-Tex 100 environmental label class 1 (ISO 17050-1) – report no. 1596
- No VOC or formaldehyde emissions: Class A+ (ISO 16000) report no. 72153D
- Polyester fibres up to 60% from recycled PET bottles

Application

Suitable for all versions of the Derako Grill system.

Sound absorption

According to EN/ISO 11654

D20/50:

$\alpha_w = 0,70$

NRC = 0,75

class C.

Plate dimensions

Standard plate dimensions: 900 x 1200 x 50 mm.

Weight

Weight: 1000 gram/m². Densiteit: 20 kg/m³.

Temperature resistance

Resistant to temperatures from -30°C to 120°C.

Fire classification

According to EN 13501-1:2002. According to DIN 4102 Class B1. Fire stability B (no flashover, very limited contribution and very difficult to burn), smoke number s1 and drop number d0.

Tolerances

Length & width: +/- 10 mm ca. max

Thickness tolerances: +/- 10% ca. max

Cutting tolerances: +/- 10 mm ca. max

Maintenance

The surface can easily be cleaned with a vacuum cleaner with a soft brush. The material does not form or attract any dust.

Processing

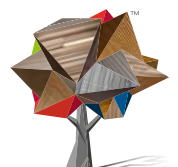
Polyester wool is made to measure by cutting it with a band saw or a Festool battery-insulation saw ISC 240 Li EB-Basic.



The mark of responsible forestry
FSC® C095185



bream



DERAKO®
A Hunter Douglas Company

FSC products on request.