

NEVIDEK Dry Flooring System



COMFORTABLE SOUND PROOFING, A CLASS OF ITS OWN!

In residential constructions, impact noise from house-separating floors is a common source of nuisance. Especially (older) houses with wooden floors have generally poor sound insulation. Improving both the airborne sound insulation and the impact sound insulation is an absolute necessity for acceptable living comfort. The maximum load on the floor and the installation height are major obstacles. Nevima has developed a system in three versions to resolve this, which, with a limited installation height, nevertheless provides excellent sound insulation. Thanks to the unique composition, these **Nevidek systems** perform at least a class (+5 dB) better than the usual dry systems! In combination with the **IVI-Metal ceiling**, the new-build requirements can be amply met.



Description

The system with the lowest installation height is the Nevidek Basic. This consists of an 18 mm Nevidek Basic-plaat and a 6 mm durable resilient layer of Nevidek Kokos 300. The standard is the Nevidek Pro system. This is made up of a 24 mm Nevidek Pro-plaat and a 10 mm durable resilient layer of Nevidek Kokos 300.

The Nevidek Dry Flooring System has the following advantages:

- ✓ **Resistant to the effects of moisture**
(as opposed to gypsum products)
- ✓ **Does not physically deteriorate when used in damp or humid conditions**
- ✓ **Performance characteristics are not degraded by age or moisture**
- ✓ **Very hard, durable (even after replacing the carpet several times), dimensionally stable, flat and impact resistant**
- ✓ **Non-flammable (class A1), making the Nevidek Pro panel even suitable for escape routes**
- ✓ **Good insulating capacity**

The highest sound insulation can be obtained with the Nevidek ProPlus system. With this system, a second 10 mm layer of Nevidek Kokos 300 is applied. Both types of Nevidek boards are fibre-reinforced calcium silicate boards and come with a 50 mm shiplap edge.

The Nevidek Kokos 300 felt is made of environmentally friendly coconut fibres with latex on both sides. This results in excellent dimensional stability and lasting resilience, even under high loads. Under extreme overload, the coconut fibres will still retain their restorative properties.

Applications

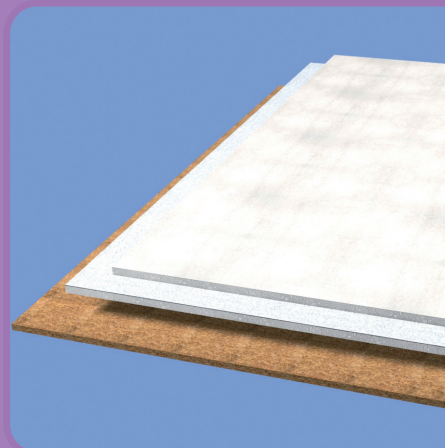
With Nevidek, high-quality floating floors can be made in a "dry" version. The Nevidek systems have been developed for light load-bearing structures such as wooden floors. However, thanks to their composition, the systems are also very suitable for use on concrete and floors that are heavily loaded, such as in the catering industry. Most common floor coverings can be applied directly to the boards. Tile floors can be applied to Nevidek Pro systems in housing construction and lightly loaded office floors (class A).

Processing

Ensure a hand-dry and clean surface. With the Nevidek Kokos 300, unevenness up to 3 mm can be absorbed. In case of larger unevenness, the surface must be levelled beforehand. In order to prevent noise leaks at wall connections and penetrations (such as pipes), self-adhesive **Nevidek kantstrook** (5 mm thick) is first placed. After that, the Nevidek Kokos 300 sheets are laid completely covering the surface. On this, the Nevidek boards are laid in the longitudinal direction along a wall.

The remainder of the first row is used at the beginning of the next row. As a result, there is little material loss and the front side seams do not continue in a straight line. The Nevidek boards are glued with Nevidek glue and then secured with a screw or a staple.

(Check out the extensive installation guidance on our website)



Dimensions

Nevidek Kokos (h x w x l):	6 or 10 x 1.000 x 1.250 mm
Nevidek Plaat (h x w x l):	18 or 24 x 600 x 1,200 mm (working size)
	long jump of the 2 boards (shiplap) is 50 mm
Weight Nevidek system:	23, 30 or 31 kg/m ²
Weight Nevidek Basic-plaat:	14.6 kg each
Weight Nevidek Pro-plaat:	19.5 kg each
Hygic expulsion:	(0-100%) < 0.1%
Bending strength:	> 10 N/mm ²

Tolerances Nevidek Pro-plaat

Thickness:	1 mm
Length and width:	2 mm
Overlap:	2 mm

Sustainability

Nevidek Kokos: environmentally friendly, free of chemical binders, rot-free.

Nevidek plaat: non-combustible class A1, no substances such as asbestos, formaldehyde or fly ash, resistant to mould growth and rot-free.

Sound insulation values

	Contact noise		Airborne sound	
	$L_{nT,A,lab}$	$\Delta L_{nT,A,lab}$	$D_{nT,A,lab}$	$\Delta D_{nT,A,lab}$
Base floor wood (without ceiling)	79	-	34	-
base floor wood with Nevidek Basic	66	13	41	7
base floor wood with Nevidek Pro	65	14	43	9
base floor wood with Nevidek ProPlus	62	17	44	10
base floor wood with Nevidek Pro and IVI-Metal ceiling with cellulose	35	44	73	39
Base floor wood reference floor CI*	70	-	46	-
base floor wood reference floor CI with Nevidek Basic	63	7	51	5
base floor wood reference floor CI with Nevidek Pro	61	9	52	6
* wooden floor on beams with 50mm cavity filling and 12.5mm plasterboard				
Base floor concrete	68	-	50	-
concrete floor with Nevidek Basic	55	13	54	4
concrete floor with Nevidek Pro	53	15	57	7
concrete floor with Nevidek ProPlus	49	19	60	10

A product of Nevima B.V.

Supplier of products for sound insulation, sound absorption, floating screeds and laying materials.

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