

## SOUND INSULATION WITH FELT FOR FLOATING COVER FLOORS WITH HIGH LOADS

Based on the extensive knowledge acquired since 1927 in construction, Nevima has something for everyone modern laying has developed the right type of felt. High demands are placed on all types aging resistance, lasting elasticity and the correct compressive strength. Nevima distinguishes by using only the best materials and production methods.

The Nevidek Coconut 300 felt is made of coconut fibres made and has acquired its density through by means of a derogation. The felt is two-sided latexed which makes it excellent obtains dimensional stability. Nevidek Coconut 300 is supplied as a sheet.

### Function

Nevidek Coconut 300 is a tireless, durable and pressure-distributing support material.

The felt can fulfill the following functions:

- reduction of contact noise
- vibration damping
- thermal insulation



*Nevidek Coconut 300 on rough construction floor.*

### Advantages:

- ✓ **High sound insulation values**
- ✓ **Suitable for high loads**
- ✓ **Walkable**
- ✓ **Durable**
- ✓ **Made from natural fibers**
- ✓ **Easy to process**

### Applications

Nevidek Coconut 300 can be used to create high-quality floating screed floors a 'dry' and 'wet' version are made that meet the requirements of the Building Decree far exceeded.

Nevidek Coconut 300 can even be used in areas with too expect high loads (up to 1000 kg/m<sup>2</sup>) such as supermarkets, catering, discos, cinemas, etc. For high noise requirements or rough surface, Nevidek Coconut 300 is applied in 2 layers.

## Processing

The surface must be touch dry and clean. Imperfections up to 3 mm are only covered by 12 and 2 x 12 mm Nevidek Kokos 300 collected. Nevidek Kokos 300 explained simply, with the seams fitting against each other should lie. To fit the Nevidek Kokos 300 plates laying, the material can easily be cut to size with a Stanley knife. For contact bridges at wall connections and penetrations must have edge strips are placed.

For wet floating floors, applying the a strong foil will prevent cement water from entering it Nevidek Coconut 300 or the seams can penetrate. When careless implementation, contact bridges will have a significant deterioration of the result.

## Dimensions

Material thickness: approx. 6 and 12 mm

Dimensions: Plate of 1,000 x 1,250 mm

Other thicknesses and dimensions on request.

## Compressibility

Nevidek Coconut 300 2 x 12 mm CP2

## Temperature resistance

-20°C tot +130°C

## Dynamic Stiffness

Dynamic stiffness measured according to ISO 9052-1:

Nevidek Coconut 300 thick 6 mm 28.4 MN/m<sup>3</sup>

Nevidek Coconut 300 thick 12 mm 16.4 MN/m<sup>3</sup>

Nevidek Coconut 300 thick 2 x 12 mm 8.4 MN/m<sup>3</sup>

## Thermal conductivity coefficient

$\lambda = 0,045 \text{ W/(m.K)}$

## Sustainability

Coconut fibers. Free from chemical binders. Rot-free.

## Sound insulation values

Impact sound insulation measurements according to NEN-EN-ISO 140-8:1997. Measured on a 140 mm concrete base floor. Nevidek Coconut 300 6 mm provided with 50 mm anhydrite. Nevidek Coconut 300 12 mm and 2 x 12 mm with 50 mm sand cement. (report op application)

### Nevidek Coconut 300 1 x 6 mm

$\Delta L_{lin} = 12 \text{ dB}$

$\Delta L_w = 24 \text{ dB}$

### Nevidek Coconut 300 1 x 12 mm

$\Delta I_{co,lab} = + 12 \text{ dB}$

$\Delta L_{lin} = 11 \text{ dB}$

$\Delta L_w = 25 \text{ dB}$

### Nevidek Coconut 300 2 x 12 mm

$\Delta I_{co,lab} = + 17 \text{ dB}$

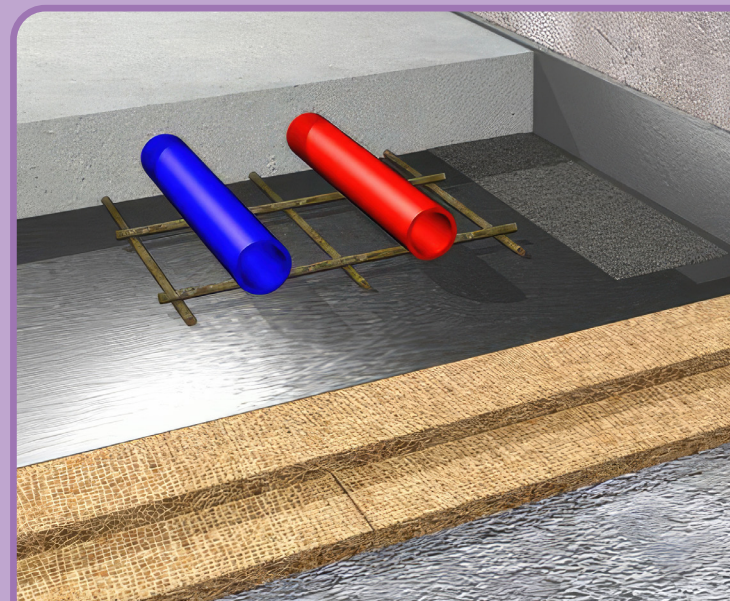
$\Delta L_{lin} = 16 \text{ dB}$

$\Delta L_w = 29 \text{ dB}$

Impact sound insulation improvement  $\Delta L$  per frequency:

### Nevidek Coconut 300

Frequency	125	250	500	1.000	2.000	4.000 Hz
<b>6 mm</b>	3,0	10,7	22,2	32,4	35,9	39,9 dB
<b>12 mm</b>	1,6	13,8	24,8	31,4	36,5	49,7 dB
<b>2 x 12 mm</b>	6,8	18,0	25,7	25,7	38,5	52,6 dB



Nevidek Kokos 300 with pipes on mounting network.

## A product of Nevima B.V.

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

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