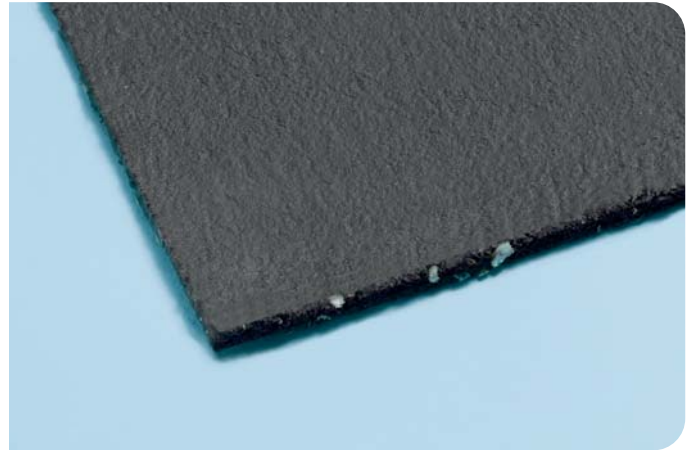


## wedi *Nonstep Plan* | impact sound deadening board

- Thin-layer impact sound insulation under tiles, laminate and ready-to-lay parquet
- On all load-bearing floors indoors
- Low structural height



### General product description

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The wedi Nonstep Plan impact sound deadening board is a thin-layer rubber granulate mat with a flexible mineral coating used for decoupling under ceramic floor coverings, laminate or ready-to-lay parquet.

### Applications

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- For decoupling ceramic and natural stone floor coverings from the substructure
- For deadening impact sound when laying ceramic and natural stone floor coverings with a relatively low design height
- On all load-bearing surfaces such as concrete, wooden floorboards (not stairs)
- Underlay for floating floor coverings such as ready-to-lay parquet or laminate
- Not for use under electric thin-bed heating elements
- For residential type use. Not approved for wheeled loads with high concentrated loads.

### Product properties

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- Low structural height
- Low mass per unit area
- Simple to lay, economic way of reducing impact sound under ceramic and natural stone floor coverings
- Quick installation
- Stress-reducing underlay, decouples the covering from the surface
- Impact sound improved by 14 dB

### Surface requirements

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The surfaces must be even, clean, load-bearing, dry and free of vibrations. Level out any unevenness before laying (recommended: wedi 210 floor levelling compound, wedi 220 wooden floor levelling compound).

Make sure that wedi Nonstep Plan covers the entire area.

## Old floor coverings

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When replacing old floor coverings (e.g. linoleum, carpet, PVC) with ceramic and natural stone floor coverings, all the old coverings must be removed and any resulting unevenness must be levelled out.

## Old ceramic, artificial stone or natural stone coverings

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Hollow slabs must be removed and the unevenness must be levelled out (recommended: wedi 230 wall and floor repair putty).

## Concrete floors, screeds

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Screeds must be even in accordance with DIN 18202 "Dimensional tolerances in building construction". Any unevenness must be levelled out with a suitable levelling compound.

## Wooden floorboards

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Existing wooden beam ceilings must be checked for their load-bearing capacity. The wooden structure must not sag or give (deflection max.  $l/600$ ) and must be as rigid as possible and secured against height offsets. Loose planks or floorboards must be screwed back into place if necessary. Uneven floorboards must be levelled out (remove the board seams, prime the floorboards and level out with a levelling compound).

**The following minimum specifications for wooden substructures must be met:**

Solid wooden boards:	$\geq 16$ mm, $p \geq 600$ kg/m <sup>3</sup>
Plywood boards:	$\geq 16$ mm, $p \geq 520$ kg/m <sup>3</sup>
Planks/floorboards:	$\geq 21$ mm

## Processing

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Lay an edge insulating strip all round. Lay wedi Nonstep Plan loose on the even surface. Avoid cross joints. Seal the joints with masking tape to prevent acoustic bridges.

Apply a wide reinforcement tape over the entire area. First apply a contact layer to the surface with a flexible thin-bed mortar, then lay in the tape with a 5 cm overlap and finally cover it with mortar (recommended: wedi 320 tile adhesive universal and wedi Tools reinforcement tape).

## N.B.

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- Do not use small tiles less than 10 x 10 cm in size
- Do not use large tiles over 33 x 33 cm in size
- Do not use rectangular tiles
- Minimum tile thickness  $\geq 8$  mm
- Ceramic tiles and slabs should have a minimum breaking force of 1500 N
- Grouting complying with ATV DIN 18352 "Working with tiles and slabs" and ATV DIN 18332 "Working with natural stone" (grouting width  $\geq 3$  mm)
- Arrangement of expansion joints complying with DIN 18157 parts 1-3 "Application of ceramic tiling using the thin-bed method" (side length of the fields  $\leq 8$  m, compact fields with maximum field size of 40 m<sup>2</sup>, joint width 5 – 10 mm)
- Expansion joints in the surface and structural joints must be matched when fitting wedi Nonstep Plan
- If at all possible, lay ceramic and natural stone coverings without any cavities
- When using wedi Nonstep Plan in wet or humid areas, a composite sealing element must be applied before the tiles or slabs are laid (for moisture load classes 0, A02)

## Technical properties – Impact sound deadening board

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<b>Material base</b>	polyurethane-bonded recycled rubber material with styrofoam flakes and a special, flexible, mineral coating
<b>Thickness</b>	6 mm
<b>Format</b>	1200 x 600 mm
<b>Density</b>	600 kg/m <sup>3</sup>
<b>Tear strength</b>	0.25 N/mm <sup>2</sup>
<b>Compressive strength at 30% deformation</b>	0.65 N/mm <sup>2</sup>
<b>Static rigidity</b>	$s' = 56 \text{ MN/m}^3$ at the linear start of the load deflection curve in accordance with DIN 53421
<b>Dynamic rigidity</b>	$s' = 97 \text{ MN/m}^3$ from resonant frequency 35 Hz at 2000 kg/m <sup>2</sup> in accordance with EN 29052
<b>Temperature resistance</b>	-40°C to 115°C
<b>Fire behaviour</b>	B2 in accordance with DIN 4102
<b>Impact sound deadening</b>	$\Delta L_{WR} = 14 \text{ dB}$ in accordance with DIN EN ISO 140-8 (tested on concrete ceiling, under tiles)

## Packing

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Boards on pallets

## Storage

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In principle wedi Nonstep Plan boards should be stored flat. They must be protected against direct sunlight and moisture.

## Safety notice

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none