

Sound Reducing Flooring Panel

- Impact sound reducing on wooden subfloor
- Creates a level and stable subfloor
- Environmentally friendly
- T & G panel
- TOG - 2.8

REDU-PANEL® is a high performance acoustic overlay flooring product. At only 25 mm thickness the quick fit T&G panel (2400x600 mm), has an upper face of 18 mm P5 moisture-resistant chipboard bonded to a specially developed 7 mm soft fibreboard on the underside, which provides isolation from existing timber or concrete floor structures. The surface of REDU-PANEL® is exceptionally hardwearing and stable.

REDU-PANEL® is ideal for building up existing floor levels and is designed to damp vibration and attenuate airborne and impact noise passing through the floors.

REDU-PANEL® is suitable for use as an overlay product on new and existing timber and concrete floors. The high quality finish of the moisture-resistant upper surface makes REDUPANEL® ideal for use throughout the building, including kitchens and bathrooms. REDU-PANEL® is used extensively in the refurbishment and conversion of existing buildings into flats and apartments to upgrade the separating floor and in new build projects over concrete floors.

A polythene sheet should be used under this product as a moisture barrier.



PRODUCT SPECIFICATIONS

REDU-PANEL®
sound reducing flooring panel

TECHNICAL DATA

| | |
|--|--|
| Article number | 128.000 |
| Thickness/tolerance (mm) | 25 / ± 1.0 |
| Thickness tolerance T&G connection (mm) | ± 0.5 |
| Size (cm)/tolerance (mm) | 2400 x 600 / ± 1.0 |
| Raw material(s) combinations | Top board - 18 mm P5 chip board |
| Colour | Green |
| Weight per m ² (kg) | 15.2 |
| Weight per panel (kg) | 21.9 |
| Density (kg/m ³) | 610 |
| Humidity (%) | 6-10 |
| Swelling after 24 hours in water, max (%) | 10 |
| Fire class (according to EN13501: 2007) | |
| Nude test | C _{fl-s1} |
| Thermal conductivity λ value (W.m/K) | 79.7 |
| Thermal resistance R value (m ² .K/W) (according to ISO 8302:1991 and EN 12667:2001) | 0.287 |
| TOG | 2.8 |
| Bending strength (N/mm ²) (according to EN 310) | 16 |
| Bending stiffness (N/mm ²) (according to EN 310) | 2400 |
| Internal bond - (N/mm ²) (according to de norm EN 319) | 0.45 |
| Load test (according to DIN-EN-1991-1-1) | 2.5 kN |
| Sound insulation based on R _w = 53 dB (according to ISO 717-1-2013) | |
| Nude test | R _w = 58 dB (+ 5 dB reduction) |
| in combination with Greenfloor® | R _w = 57 dB (+ 4 dB reduction) |
| in combination with Ecopearls® 30 mm | R _w = 59 dB (+ 6 dB reduction) |
| Impact sound reduction on wooden floor (according to ISO 10140-3 2010 base from 64 dB) | |
| Nude test | 8 dB ΔL _n |
| in combination with Greenfloor® | 10 dB ΔL _n |
| in combination with Ecopearls® 30 mm | 13 dB ΔL _n |
| VOC (Volatile Organic Compounds) Formaldehyde degree FSC certified | Class A E-1 FSC C154437 |

APPLICATION

Impact sound reducing subflooring panel on wooden floor constructions.

PALLET CONTENTS

42

- Panels
- 2400 x 600 mm
- 60.48 m²

Thickness 25 mm

PACKAGING

| | |
|-----------------------------------|---|
| Installation instructions present | |
| Pallet contents | 42 panels / 60.48 m ² (1.44 m ² per panel) |
| Pallet size (lxwxh) | 2400 x 600 x 1200 mm |
| Pallet weight | 945 kg |



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about
REDU-PANEL®!**

Visit www.unifloor-underlay.com for
the most up-to-date information.