

New Era 10mm Acoustic Underlay



Product Data

Description: New Era 10mm Acoustic Underlay is our highly effective and slim resilient layer available for the reduction of impact noise in concrete constructions. It's density gives minimal compression leaving you a long lasting and effective solution that can receive a wide range of floor finishes.

| | |
|--------------------------|--|
| Dimensions: | 10mm x 1.3m x 5m |
| Roll Area: | 6.5 m ² |
| Roll Weight: | 50 kg |
| Density: | 750 kg/m ³ |
| Mass: | 7.5 kg/m ² |
| Recycled Content: | 1.86 Recycled tyres per m ² - 12.09 Recycled tyres per roll 92% Recycled - 100% Recyclable |

Features and Benefits: Significantly reduces impact sounds.
Can be installed under finished flooring.
Guaranteed constant thickness and density.
Does not deform, maintains efficiency long term.
Pre-fabricated recycled tire granule mat.
Low compression under heavy loads.
May be used in retrofit.



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Performance Data

Treated Structure: Impact Sound Pressure Level according to ISO 717-2
Receiving Room Volume: 221m³

Floor Build-Up: New Era 10mm Acoustic Underlay
140mm Concrete Floor

Acoustic Performance: Reduction from New Era 10mm Acoustic Underlay ΔL_w 23dB

Performance will vary with different floor make-up.

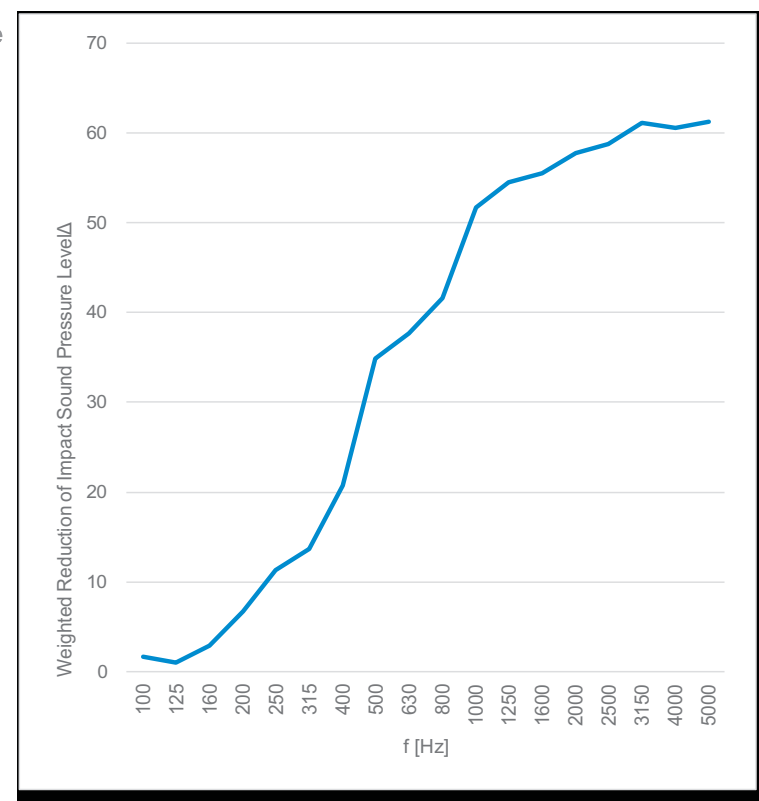
Compression Loads: 10 kN/m² = < 7% loss of thickness.
(Over 10 Years) 15 kN/m² = < 10.6% loss of thickness.
20 kN/m² = < 14.3% loss of thickness.

Thermal Performance: Thermal Conductivity = 0.113 W/mK
Thermal Resistance = 0.094 m²K/W
Temperature Stability = -35°C to +100°C.

| Hz | 1/3 Octave |
|------|------------|
| 100 | 1.7 |
| 125 | 1 |
| 160 | 2.9 |
| 200 | 6.7 |
| 250 | 11.3 |
| 315 | 13.7 |
| 400 | 20.7 |
| 500 | 34.9 |
| 630 | 37.7 |
| 800 | 41.6 |
| 1000 | 51.7 |
| 1250 | 54.5 |
| 1600 | 55.5 |
| 2000 | 57.7 |
| 2500 | 58.8 |
| 3150 | 61.1 |
| 4000 | 60.6 |
| 5000 | 61.2 |



Acoustic Test Report
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Rating in accordance to ISO 717-2