

SILENTSTEP® RU

soundproofing underlay for timber and tile flooring

Silentstep® RU is a high-quality, impact underlay made from polymerically-bound recycled rubber. It has excellent sound impact attenuating properties for both new and old buildings.

Various densities and thicknesses are available to suit ceramic tiles, vinyl, carpet and timber flooring applications. Each density is specifically engineered to meet specifiers' acoustical requirements.

Silentstep RU is suitable for all common construction and installation methods. It can be installed on timber and concrete sub-bases, and can be used in wet areas when installed in conjunction with an appropriate waterproofing membrane.



A range of systems are available depending on application floor finish and substrates.



applications

- Multistorey living areas constructed from lightweight materials with the intention to lay carpet
- Placed under solid timber or parquet flooring using Pyrotek's flooring systems - contact your local Pyrotek Representative
- Marine vessels to stop engine noise travelling into staterooms, salons, VIP cabins etc
- Transport industry; under automotive, firewalls, wheel arches, boot mats, and transmission tunnels
- Motor homes and luxury motor coaches

features

- Made from 100% recycled material
- No ozone-depleting substances are generated during manufacture
- Free from lead, odour-producing oils and bitumen
- Easily installed by quality carpet layers. No special tools or fixtures required
- Available in roll or sheet form, or custom made to suit (minimum order quantities apply)

SPECIFICATIONS

| | |
|-------------|--|
| Density | Silentstep RU - 700 - min. 5mm 700 kg/m ³ Silentstep RU - 850 - min. 3mm 850 kg/m ³ |
| Thicknesses | 3 mm, 4 mm, 5 mm, 8 mm, 10 mm Other thicknesses available on request |
| Available | All rolls 1.2 m wide with various roll length options |

NB: Higher density Silentstep RU products are recommended for ceramic tiles and vinyls to provide good stability under point loading.



ACOUSTIC PERFORMANCE

| Floor System | Acoustic Underlay | Test Reference | ΔLw | Ln,w | IIC |
|-----------------------------------|------------------------------------|----------------|-----|------|-----|
| Bare 150 mm concrete slab | None | INR157 | 0 | 80 | 27 |
| 10 mm ceramic tile | 5 mm Silentstep RU Cork/Rubber 720 | INR157: K | 13 | 67 | 43 |
| 10 mm ceramic tile | 6 mm Silentstep RU 700 | INR157: L | 14 | 66 | 44 |
| 8 mm ceramic tile | 3 mm Silentstep RU 850 | INR163: C | 16 | 64 | 46 |
| 19 mm timber + 15 mm plywood | 5 mm Silentstep RU 700 | INR157: D | 16 | 63 | 48 |
| 14 mm timber | 3 mm Silentstep RU Cork/Rubber 720 | INR157: G | 16 | 62 | 48 |
| 8 mm ceramic tile | 10 mm Silentstep RU 850 | INR163: B | 17 | 62 | 48 |
| 14 mm timber | 3 mm Silentstep RU 850 | INR157: I | 17 | 62 | 49 |
| 14 mm timber | 3 mm Silentstep RU 850 | INR157: H | 16 | 61 | 49 |
| 10 mm ceramic tile + 20 mm screed | 5 mm Silentstep RU Cork/Rubber 720 | INR157: N | 17 | 60 | 50 |
| 14 mm timber | 5 mm Silentstep RU 700 | INR157: F | 18 | 60 | 50 |
| 10 mm ceramic tile + 20 mm screed | 5 mm Silentstep RU 700 | INR157: M | 18 | 59 | 51 |
| 14 mm timber | 3 mm Silentstep RU 850 | INR157: A | 18 | 59 | 51 |
| 8 mm laminate timber | 3 mm Silentstep RU 850 | INR157: B | 18 | 59 | 51 |
| 19 mm timber + 15 mm plywood | 15 mm Silentstep RU 600 | INR157: E | 18 | 58 | 52 |
| 2 mm vinyl plank | 3 mm Silentstep RU Cork/Rubber 720 | INR157: C | 20 | 57 | 53 |
| 2 mm vinyl + 5 mm masonite | 3 mm Silentstep RU 850 | INR157: J | 22 | 54 | 56 |

Tested to ISO 140-8:1997 at CSIRO, Australia

Report Number: INR157 & INR163

Note: All flooring systems were installed onto a 150 mm thick steel reinforced concrete slab. No ceiling was installed beneath, therefore even higher results can be achieved with the addition of a ceiling system (the value of which depends on the specific ceiling system employed). The table above serves as a summary, the full floor systems are detailed in the reports.

PHYSICAL PROPERTIES:

Tear resistance 3.1N/mm²
 (ISO 4674.1-2003 (E))
 Hardness (Shore A) 50.0
 (ASTM D2240-2003)
 Elongation at break 37.5 (AS2001.2.3.2-2001)
 Temperature range - 25°C to 80°C

VOC EMISSIONS CERTIFICATION:

Green Building Council of Australia Green
 Star Office Design IEQ-13 Green Star Office
 Interiors IEQ-11 (ASTM D5116)

For further information
 and contact details,
 please visit our website
pyroteknc.com

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See pyroteknc.com/disclaimer.

