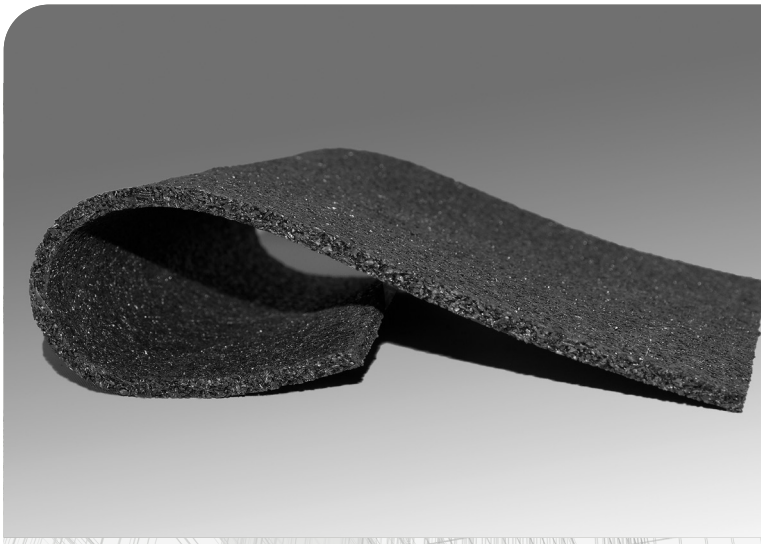
SILENTSTEP® RU

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.

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.

applications

- Multistorey living areas constructed from lightweight materials with the intention to lay carpet
- Placed under solid timber or parquetry 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)

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/mm^2
(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

HEALTH AND SAFETY:

Silentstep RU is non-toxic and safe to handle by methods prescribed in the Safety Data Sheet.