

1. GENERAL

- 1.1 GENERAL** This specification relates to the installation of the SoundDown Solo Flooring System.
- 1.2 RELATED WORK** The installation of the SoundDown Solo Flooring System relies on:
- timber or lightweight steel framing that complies with the NZ Building Code and is designed and installed in accordance with the building consent and construction drawings and:
 - section 6 and 11 of NZS 3604:2011; or
 - NASH Standard Part 2: May 2019 Light Steel Framed Buildings; or
 - is designed to AS/NZS 1170 Structural design actions or NZS 3404 Parts 1 and 2:1997 Steel Structures Standard;
 - or in the case of an existing building, where the designer and installer have satisfied themselves that the existing building is suitable for the intended building work.
- 1.3 DOCUMENTS** Refer to the following manufacturer's documents:
- the SoundDown Solo Flooring System pass™
 - the SoundDown Solo Flooring System Specification guide
 - the SoundDown Solo Flooring System details
 - the SoundDown Solo Flooring System Installation guide
 - the SoundDown Solo Flooring System care and maintenance guide
- Refer to the following related documents:
- NASH Standard Part 2: May 2019 Light Steel Framed Buildings
 - AS/NZS 1170 Structural design actions
 - NZS 3604: Timber-framed buildings
 - NZS 3404 Parts 1 and 2:1997 Steel Structures Standard.
- 1.4 GENERAL DESIGN CONSIDERATIONS** The system must be specified in accordance with the SoundDown Solo Flooring System Design guide and details.
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2. PRODUCTS

2.1 PRODUCT DESCRIPTION	<p>SoundDown Solo is a floor/ceiling system that provides STC rating of 65 dB and a IIC rating of 56 dB and incorporates a 60-minute fire rated ceiling, so the floor structure is excluded from the fire cell. SoundDown Solo is installed over a timber or lightweight steel floor structure.</p> <p>SoundDown Solo comprises:</p> <ul style="list-style-type: none">› 2 layers of 13 mm thick USG Boral Firestop®, fixed with Gypsum bugle head screws and sealed with BSG Firesound®› 28 mm Rondo 129 Furring Channel› Rondo SPTC Acoustic Mounts fixed with 2 8g x 25 mm screws› 240 mm x 45 mm x 1.55 gauge, galvanised steel SteelHaus EZYJOIST™› R1.9 90 mm thick Mammoth™ multi polyester insulation› 6 mm x 45 mm SoundDown joist silencer› 20 mm thick Maglok™ DragonBoard®› 8 g 50 mm class 3 galvanised substrate screw fixing› 2.5 mm Jacobsens Tarkett Traffic 250 vinyl.
2.2 ASSEMBLY COMPONENTS	<p>The following assembly components are required:</p> <ul style="list-style-type: none">› 13 mm thick USG Boral Firestop®› BSG Firesound®› 28 mm Rondo 129 Furring Channel› Rondo STPC Acoustic Mounts› 240 mm x 45 mm x 1.55 gauge, galvanised steel SteelHaus EZYJOIST™› R1.9 90 mm thick Mammoth™ multi polyester insulation› 6 mm x 45 mm SoundDown joist silencer› 20 mm thick Maglok™ DragonBoard®› 2.5 mm Jacobsens Tarkett Traffic 250 vinyl.
2.3 ACCESSORY COMPONENTS	<p>The following accessory components are required:</p> <ul style="list-style-type: none">› 6 g x 25 mm & 6 g x 40 mm steel fine thread gypsum bugle head screws› 8 g x 25 mm screws› 8 g x 50 mm class 3 galvanised substrate screws.
2.4 SUBSTITUTIONS	<p>Substitutions are not permitted to any of the specified components listed in this section.</p>

3. EXECUTION

3.1 QUALIFICATIONS	<p>The installation of the SoundDown Solo Flooring System must be carried out by a competent and experienced builder.</p>
3.2 RESTRICTED BUILDING WORK	<p>Where Restricted Building Work applies, the installer shall be a Licensed Building Practitioner (LBP) or be supervised by an LBP with the relevant license class.</p>
3.3 CHECK RELATED WORK	<p>Confirm the timber or lightweight steel framing has been constructed in accordance with the building consent and construction drawings or, in the case of an existing building, that the existing building is suitable for the intended building work.</p>

4. APPLICATION

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| 4.1 GENERAL | The installation of the SoundDown Solo Flooring System must be completed in accordance with the instructions in the SoundDown Solo Flooring System Installation guide, the relevant details and the building consent documentation. All conditions contained in the building consent documentation must be met. |
| 4.2 RECEIPT OF PRODUCT | Ensure that all product supplied is: <ul style="list-style-type: none">➤ free of defects at the time of delivery and➤ handled and stored in accordance with all of the relevant manufacturer or supplier's requirements and instructions. |
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5. COMPLETION

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| 5.1 QUALITY CHECK | Check to ensure all components are installed correctly and in accordance with Trade Supply SoundDown Solo Flooring System requirements. |
| 5.2 INFORMATION FOR CARE AND MAINTENANCE | The system requires minimal care and maintenance to maintain the performance and appearance of the system. Refer to the SoundDown Solo Flooring System care and maintenance guide. |
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6. PROJECT SPECIFIC SELECTIONS

PROJECT DETAILS

Project address

Lot/DP number

Date of plans

Purpose of plans

Description of building work and reference to drawing numbers

DOCUMENTS SUPPLIED (CHECK WHICH APPLIES)

SoundDown Solo Flooring System pass™

SoundDown Solo Flooring System Installation guide

SoundDown Solo Flooring System installation record

SoundDown Solo Flooring System care and maintenance guide

DESIGNER CONFIRMATION (CHECK WHICH APPLIES)

Building

Framing

Timber

Lightweight steel

Existing building assessed at equivalent stiffness to NZS 3604:2011

Load bearing support walls identified

Other (state what was used)

ASSEMBLY COMPONENT SELECTIONS

13 mm thick USG Boral Firestop®

BSG Firesound®

28 mm Rondo 129 Furring Channel

Rondo STPC Acoustic Mounts

240 mm x 45 mm x 1.55 gauge, galvanised steel SteelHaus EZYJOIST™

RI.9 90 mm thick Mammoth™ multi polyester insulation

- 6 mm x 45 mm SoundDown joist silencer
- 20 mm thick Maglok™ DragonBoard®
- 2.5 mm Jacobsens Tarkett Traffic 250 vinyl
- Other (specify)

ACCESSORY COMPONENT SELECTIONS

- 6 g x 25 mm & 6 g x 40 mm steel fine thread gypsum bugle head screws
- 8 g x 25 mm screws
- 8 g x 50 mm class 3 galvanised substrate screws
- Other (specify)

DETAILS SELECTION

- SoundDown FRR and Acoustic Floor System