

## System Type Approval Certificate

Certificate No: **STAS/13/037/ST24/02**

Date: **22 April 2013**

### A Certificate Holder:

Name: Robust Details Limited  
Address: Davy Avenue, Knowlhill, MILTON KEYNES, Bucks, MK5 8NB  
E-mail: scotland@robustdetails.com  
Tel: **08702408210**

### B Type Approval Titles:

#### SYSTEM:

#### **ROBUST DETAIL - V-FT-2- April 2013 Timber Solid Joist Separating Floor**

Robust Details – Scotland Section 5 Scheme

To be used as an alternative to pre-completion sound testing to demonstrate compliance with the sound insulation requirements of Section 5 of the Building (Scotland) Regulations 2004 for new build attached dwellings.

### C Conditions of certification:

#### Validity and Scope

1. That the specifications and materials referred to have been assessed and approved in accordance with the Building (Scotland) Regulations 2004 and in accordance with the supporting guidance in the Non-Domestic Technical Handbooks which came into force with effect from 1 October 2011.
2. That where reference is made on a plan or specification document to any Code of Practice, British or European Standard or manufacturer's instruction it shall be construed as a reference to such publication in the form in which it is in force at the date of this certificate.
3. That the layout plan details and the materials specified shall not be changed without first gaining approval so to do from Local Authority Building Standards Scotland [LABSS]. Failure to do so will invalidate the certificate.
4. That the certificate shall be valid until invalidated by formal notice by LABSS.
5. This certificate should not be regarded as a formal approval under the building warrant process prescribed by the Building (Scotland) Act 2003 enacted from 1 May 2005

#### Testing and Accreditation

6. That ROBUST DETAIL - V-FT-2- April 2013 Timber Solid Joist Separating Floor comprising :-  
**Floor decking:** 15mm thick (min) wood based board, density 600 kg/m<sup>3</sup> (min)  
**Joists:** 240mm (min) solid timber joists @400mm centres  
**Absorbent:** 100mm (min) mineral wool material quilt insulation (10–36 kg/m<sup>3</sup>) between joists

#### **CEILING TREATMENT - CEILING BOARD FIXINGS MUST NOT PENETRATE OR TOUCH JOISTS**

##### **16mm (min) resilient bars with CT1™**

16mm (min) metal resilient ceiling bars mounted at right angles to the joists at 400mm centres (bars must achieve a minimum laboratory performance of  $rd\Delta R_w + C_{tr} = 17dB$ ,  $rd\Delta R_w = 18dB$  and  $rd\Delta L_w = 16dB$ ) – see Appendix E

##### **Ceiling treatment CT1™**

Two layers of gypsum-based board, composed of 19mm (nominal 13.5 kg/m<sup>2</sup>) fixed with 32mm screws, and 12.5mm (nominal 10 kg/m<sup>2</sup>) fixed with 42 mm screws

#### **FLOOR TREATMENT**

##### **FFT80™ – Resilient composite deep batten system for V-FT-1™**

- 22mm (min) t&g flooring board - 600 kg/m<sup>2</sup> (min)
- gypsum-based board nominal 13.5 kg/m<sup>2</sup>
- FFT80™ resilient composite deep battens
- resilient layer must be continuous and pre-bonded to batten
- battens may have the resilient layer at the top or the bottom
- mineral wool quilt laid between battens – 50mm (min) 10-36 kg/m<sup>3</sup>
- ensure any services do not bridge the resilient layer

shall be installed strictly in accordance with the manufacturer's instructions, in accordance with the certificate holder's instructions and fully in accordance with the accredited certification and supporting test reports held by Robust Details Ltd.

**Site Specific Assessments**

7. That all site specific materials and constructions not within the scope of this certificate shall be designed in accordance with all relevant Codes of Practice, British or European Standards and installed strictly on accordance with the manufacturer's instructions.

**D Limitations of use:**

1. That each site specific building warrant application proposing the use of the Robust Detail - V-FT-2- April 2013 Timber Solid-Joist Separating Floor elements shall confirm full compliance with Mandatory Standard 5.1.

<b>E</b>	<b>Design Life:</b> (per BS 7543 – Durability of building elements, products and components)	<b>Category of building design life =</b>	<b>Life of building</b>
----------	----------------------------------------------------------------------------------------------	-------------------------------------------	-------------------------

<b>F</b>	<b>Specification Document:</b>	<b>Section 5 – Robust Detail Handbook</b>	<b>September 2011</b>
	<b>Certificate Number:</b>	Robust Detail V-FT-2- April 2013 Timber Solid-Joist Separating Floor	April 2013 Update

**G Authority:**

This system type approval certificate consisting of 2 pages is authorised by:

Signature:



**Robert A Renton, Secretary to STAS**  
on behalf of the Local Authority Building Standards Scotland.

Approved 22 April 2013