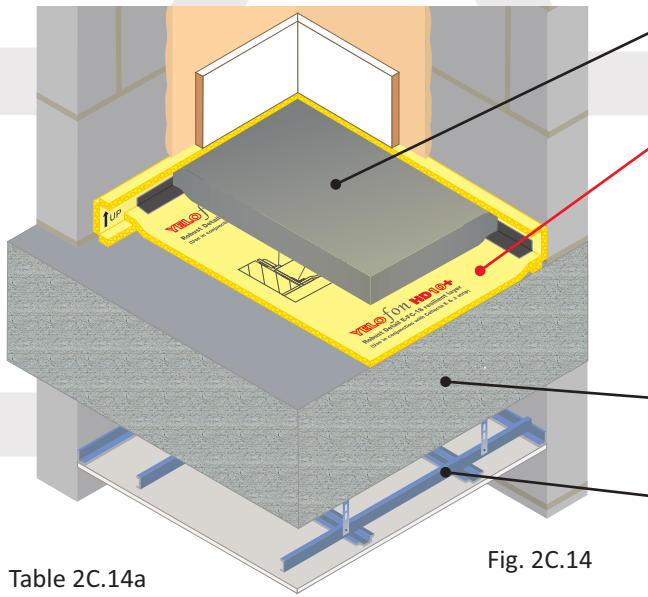


Screed laid on **CELLECTA** resilient layer system or bonded acoustic floor covering  
In-situ concrete slab



- Screed (if required)**
  - 65mm (min) sand cement screed
  - 40mm proprietary screed, nominal 80kg/m<sup>2</sup> mass per unit area
- Acoustic treatment options**
  - A** **CELLECTA YELOfon**® HD10+ under screed resilient layer, **E-strip** (edge strip) and **J-strip** (acoustic joining tape)
  - B** **CELLECTA RUBBERfon**® Impact 6 under screed resilient layer, **Edge strip & HG tape**
  - C** **CELLECTA RUBBERfon**® ULTRAtop 5 bonded floor covering
- Structural floor** 225 (min) in-situ concrete slab, 2400kg/m<sup>3</sup> density without screed
- Ceiling** See Table 2C.14d for ceiling treatment options

Fig. 2C.14

Table 2C.14a

**A Under screed resilient layer system**

- YELOfon**® HD10+  
High density polyethylene foam with *Surebond* facing  
Dimensions: 10mm x 1.5m x 33.33m (50m<sup>2</sup>)
- YELOfon**® J-strip  
Ultra high grab acoustic joining tape  
Dimensions: 2.5mm x 75mm x 40m
- YELOfon**® E-strip  
Self adhesive perimeter edge strip  
Dimensions: 7mm x 200mm x 33m

**UK's No.1**

<b>Airborne</b>	55dB $D_{nT,w} + C_{tr}$
<b>Impact</b>	50dB $L_{nT,w}$
<b>Building Regs</b>	≥+8dB

Table 2C.14c

**C Bonded acoustic floor covering**

- RUBBERfon**® ULTRAtop 5  
High density recycled rubber/cork acoustic floor covering  
Dimensions: 5mm x 1m x 10m (10m<sup>2</sup>)
- CELLECTA HB724**  
High bond floor adhesive  
Coverage: 14kg/46m<sup>2</sup>

<b>Airborne</b>	53dB $D_{nT,w} + C_{tr}$
<b>Impact</b>	45dB $L_{nT,w}$ $rd \Delta L_w = 31dB$
<b>Building Regs</b>	≥+8dB

Table 2C.13b

**B Under screed resilient layer system**

- RUBBERfon**® Impact 6  
High density recycled rubber  
Dimensions: 6mm x 1m x 8m (8m<sup>2</sup>)
- CELLECTA HG-tape**  
High grab jointing tape  
Dimensions: 50mm x 50m
- RUBBERfon**® Edge  
Self adhesive perimeter edge strip  
Dimensions: 5mm x 200mm x 40m

<b>Airborne</b>	55dB $D_{nT,w} + C_{tr}$
<b>Impact</b>	52dB $L_{nT,w}$
<b>Building Regs</b>	≥+8dB

Table 2C.13d

**Ceiling Treatment**

Any metal frame ceiling system - 150mm (min) void  
To be used with 225mm (min) depth concrete slab

One layer of nominal 10kg/m<sup>2</sup> gypsum-based board

**Construction notes**  
Materials must be installed in accordance with manufacturers' instructions to achieve stated acoustic values. Wall treatments must be isolated from the floating floor with appropriate edge strip, bonded floor covering or a flexible acoustic sealant.

**Acoustic Performance**

*rd* impact performance values quoted were conducted at Sound Research Laboratories (UKAS ref. 0444) in accordance with BS EN ISO 10140-3 and BS EN ISO 10140-4 and rated in accordance with BS EN ISO 717-2:2013 as detailed in Appendix D of the Robust Details hand book (minimum value required  $rd \Delta L_w = 17dB$ ).  
PCT values quoted are typical, based on the treatment being installed correctly and pre-completion tested, with airborne performance tested in accordance with BS EN ISO 140-4:1998 and impact performance tested in accordance with BS EN ISO 140-7: 1998.

