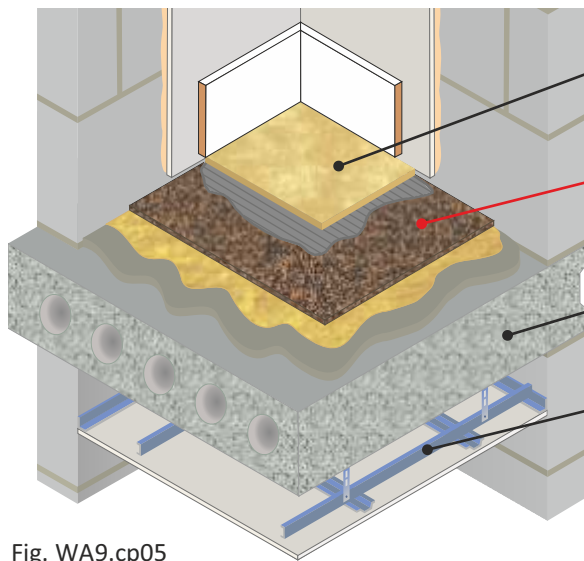


Separating floor - Pre-cast concrete plank

PCT solution to Robust Detail: E-FC-9

CELLECTA RUBBERfon Ultratop 3/5 acoustic floor covering fully bonded to structural concrete floor

Suitable for Floor type 2.1^(a)



Floor finish
(installed after
acoustic testing)

Carpet
Wooden flooring
Ceramic tiles^(b)

Resilient layer

CELLECTA RUBBERfon Ultratop 3/5
fully bonded to the concrete floor slab with
CELLECTA UL80 adhesive

Structural floor

- 150mm (min) pre-cast concrete floor plank slab, with 10mm (min) bonded screed

Ceiling

See Table WA9.cp05b for ceiling treatment options

Fig. WA9.cp05

FASTRACKCAD
ARCHITECTURAL CAD DATABASES

n55Plus

Table WA9.cp05a

Installation options

Bonded acoustic floor covering
RUBBERfon Ultratop 3 High density rubber/cork acoustic floor covering
Dimensions: 3mm x 1m x 15m (15m²)

CELLECTA UL80
Floor covering adhesive
Size: 15kg tub (up to 80m² coverage)

Airborne	Building Regulations
55dB $R_w + C_{tr}$	≥ +5dB
Impact	
58dB $L_{nT,w}$	
$DL_w = 21dB$	

Levelling screed

Bonded acoustic floor covering
RUBBERfon Ultratop 5 High density rubber/cork acoustic floor covering
Dimensions: 5mm x 1m x 10m (12m²)

CELLECTA UL80
Floor covering adhesive
Size: 15kg tub (up to 80m² coverage)

Airborne	Building Regulations
55dB $R_w + C_{tr}$	≥ +8dB
Impact	
56dB $L_{nT,w}$	
$DL_w = 23dB$	

Levelling screed (if required)

Table WA9.cp05b

Ceiling treatment options

Metal ceiling hung off CELLECTA AH50 acoustic hangers - 150mm void

150mm (min)

One layer of nominal 8kg/m² gypsum-based board

CT0 - Metal ceiling - 150mm void
To be used with 150mm (min) depth concrete planks

150mm (min)

One layer of nominal 8kg/m² gypsum-based board

CT1 - Metal ceiling - 100mm void
To be used with 200mm (min) depth concrete planks

100mm (min)

One layer of nominal 8kg/m² gypsum-based board

Construction notes

^(a) Floor type 2.1: Pre-cast concrete base with ceiling and acoustic floor covering.
^(b) Ceramic tile must be installed in accordance with the manufacturers instructions.

Acoustic Performance

Test data quoted has been conducted in a UKAS accredited laboratory in accordance with Approved Document E: Annex B: Procedures for sound insulation testing.
Airborne results tested in accordance with BS EN ISO 140-3:1998
Impact results tested in accordance with BS EN ISO 140-6: 1998
 DL_w measured in accordance with BS EN ISO 140-8: 1998.
dB values quoted do not include the additional benefit of a ceiling treatment.

Third Party Accreditation and Approvals



ISO 9001: 2015

Environmental Credentials

