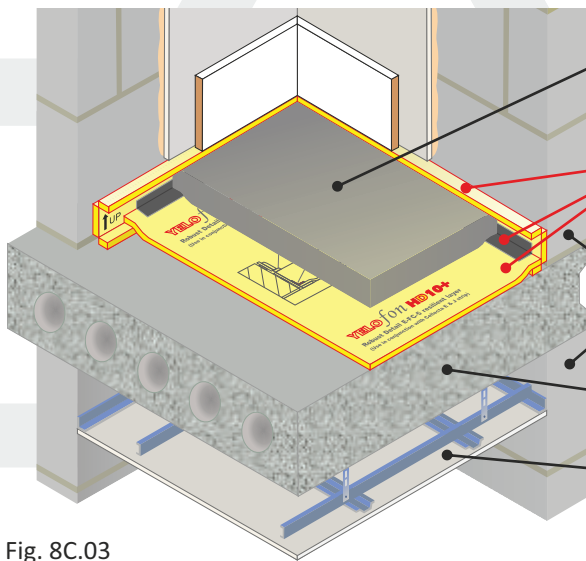


Separating floor - Pre-cast concrete plank

Robust Detail E-FC-5

Screed laid on **CELLECTA YELOfon HD10+** resilient layer System



- Floating Screed**
 - 65mm (min) sand cement screed
 - 40mm proprietary screed, nominal 80kg/m² mass per unit area
- 3 part resilient layer system**
 - CELLECTA YELOfon HD10+**
 - E-strip** perimeter edge strip
 - J-strip** acoustic joining tape
- External flanking walls**
 - 100mm (min) aggregate concrete block 1350-1600kg/m³ or 1850-2300kg/m³
 - 100mm (min) aircrete block 450-800kg/m³
- Structural floor**
 - 150mm (min) pre-cast concrete floor plank
 - 300kg/m² (min) mass per unit area
- Ceiling**
 - See Table 8C.03b for ceiling treatment options

Fig. 8C.03

Over 10,000,000m² successfully installed



Table 8C.03a

Table 8C.03b

Installation Options

Resilient layer under screed

YELOfon HD10+

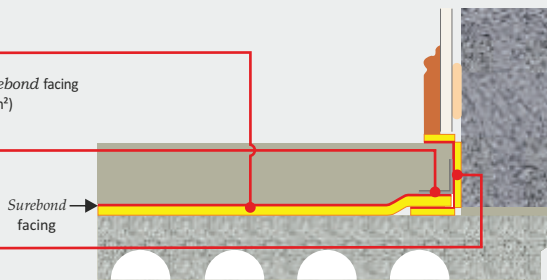
High density polyethylene foam with Surebond facing
Dimensions: 10mm x 1.5m x 33.33m (50m²)

YELOfon J-strip

Ultra high grab acoustic jointing tape
Dimensions: 2.5mm x 75mm x 40m

YELOfon E-strip

Self adhesive perimeter edge strip
Dimensions: 7mm x 200mm x 33m

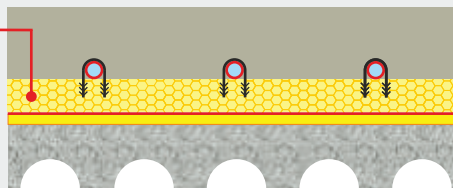


Underfloor heating system within screed (with thermal insulation)

XFLOOR 250/300/500

High compressive strength extruded polystyrene
Dimensions: 25-160mm x 600mm x 2500mm

Ensure fixing used to secure the UFH do NOT penetrate the HD10+

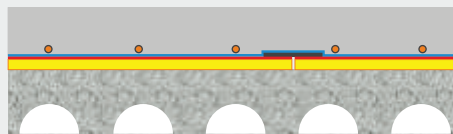


Underfloor heating systems within screed (without thermal insulation)

Proprietary Screeds

When using a proprietary free flowing screed, HD10+ rolls can be tightly butted together and the joint sealed with J-strip.

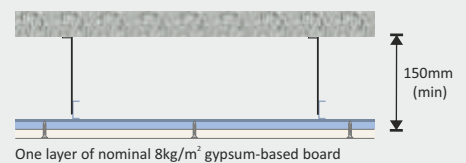
Care should be taken to ensure there are no gaps in the resilient layer. Cover the HD10+ with a 500 gauge (min) polythene sheet, taping all joints and lapping up around the perimeter by 150mm.



Ceiling Treatment Options

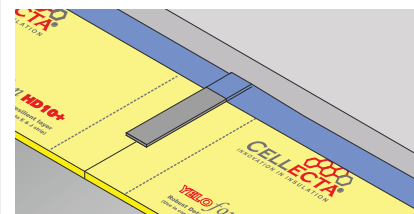
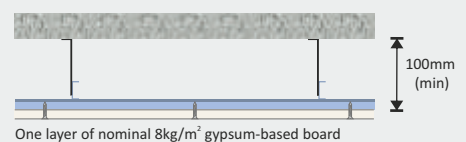
CT0 - Metal ceiling - 150mm void

To be used with 150mm (min) depth concrete planks



CT1 - Metal ceiling - 100mm void

To be used with 200mm (min) depth concrete planks



Acoustic Performance

Airborne: 52dB $D_{nT,w} + C_{tr}$

Impact: 54dB $L_{nT,w}$

Building Regulations

+ 5dB

Values quoted are typical and based on the treatment being installed correctly and pre-completion tested (PCT).
Airborne performance tested in accordance with BS EN ISO 140-4:1998
Impact performance tested in accordance with BS EN ISO 140-7:1998

Third Party Accreditation and Approvals



Environmental Credentials

