

YELOfon[®] HD10+ System

CELLECTA YELOfon HD10+ is an acclaimed resilient layer *System* that carries 3 proprietary **Robust Details: E-FC-5, 17 & 18.**

The *System* is lightweight, easy to install and delivers unrivalled acoustic performance when used to isolate a screed from a structural concrete floor.



- Superior impact sound deadening properties
- Suitable for all types of concrete floors & screeds
- Supplied as a kit with edge strip and jointing tape
- Lightweight rolls - quick and easy to install
- Works in conjunction with UFH systems

Over 21,000,000m²
successfully installed

Third Party Approvals & Accreditations

Learn more



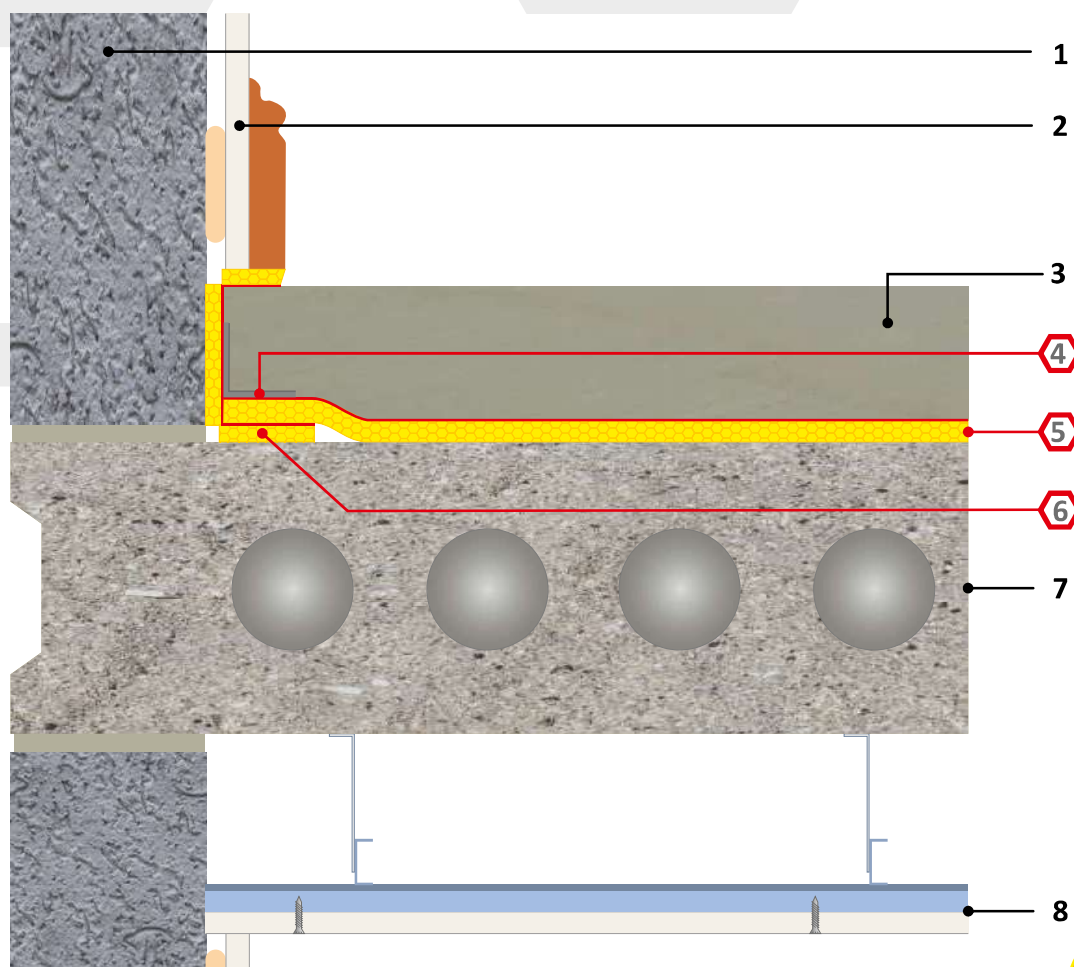
ISO 9001: 2015

		YELOfon HD10+ System		
		HD10+	E-strip	J-strip
SKU No.		YHD10+SP		
Product description	-	Surebond faced HD polyethylene foam	Perimeter acoustic edge strip	Acoustic jointing tape
Thickness	mm	10	7	2.5
Roll dimensions	-	1.5m x 33.33m	200mm x 33m	75mm x 40m
Coverage	m ²	50 (45*)	-	-
Thermal conductivity	W/mK	0.045	0.045	0.037
Long term water absorption	%	<5	<5	<5
Weight	kg/roll	18	1.75	0.54
Minimum order quantity	-	1 System pack (1 roll HD10+, 1 x E-strip and 2 x J-strips)		

* When overlapped by 150mm.



- Pre-cast concrete separating floor with masonry walls (RD E-FC-5)
- Screed laid on YELOfon HD10+ high performance resilient layer
- MF ceiling system fixed to underside of plank



ROBUST DETAIL
E-FC-5

Typical airborne
performance⁽¹⁾

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

Typical impact
performance⁽¹⁾

54dB $L_{nT,w}$

Building Regs

+5dB

Fire resistance⁽²⁾

60min

Free on-site
RD compliance
training provided

Item	Material
1	100mm (min) thick masonry wall
2	13mm thick plaster or 12.5mm plasterboard on dabs (8kg/m ²)
3	65mm (min) sand cement screed or 40mm proprietary screed (80kg/m ²)
3 part resilient layer System 4 CELLECTA J-strip high grab acoustic jointing tape 5 CELLECTA YELOfon HD10+ resilient layer (10mm thick) 6 CELLECTA YELOfon E-strip perimeter edge strip to isolate the screed from the wall treatment	
7	150mm (min) pre-cast concrete floor plank (300kg/m ² min)
8	12.5mm (8kg/m ² min) plasterboard fixed to metal frame (MF) ceiling system. 150mm void

(1) Values quoted are typical and based on the treatment being installed correctly and pre-completion tested (PCT).

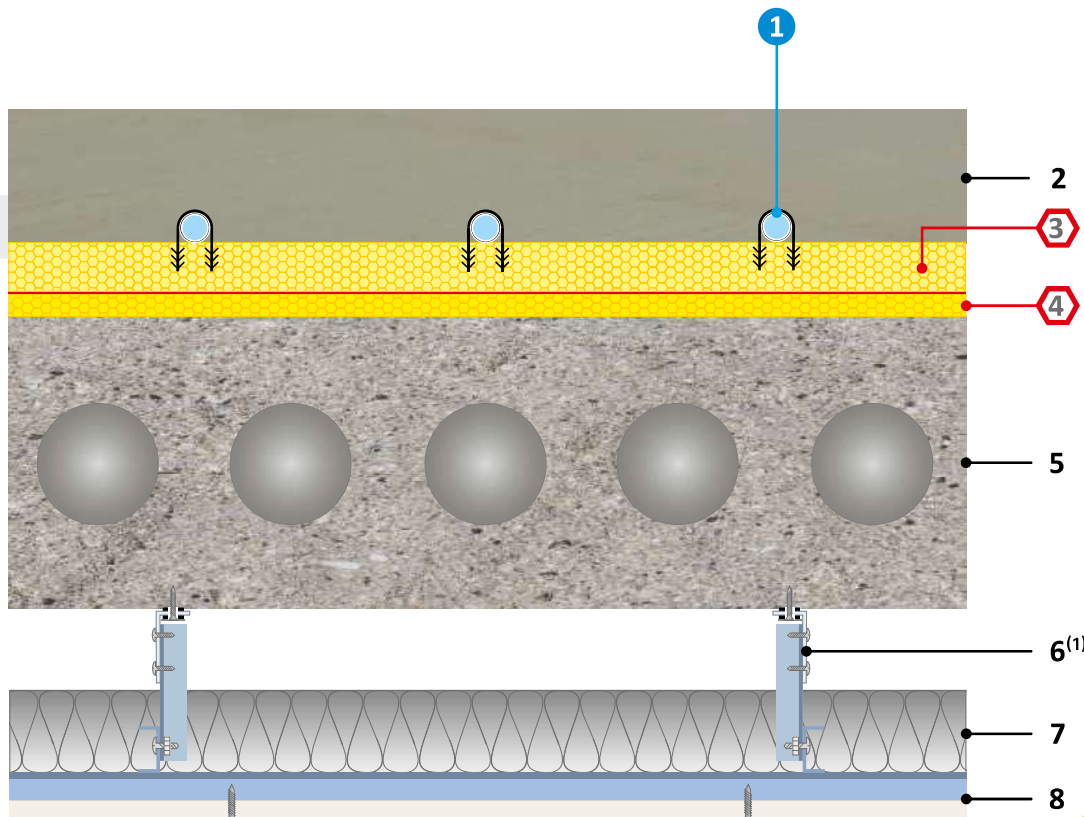
(2) Value stated given as a guide. Refer to Building Regulations Part B to ensure legislative requirements are met.

Call for a quote or
free technical advice



- Pre-cast concrete separating floor with masonry walls (RD E-FC-5 & 17)
- UFH pipe clipped to XFLOOR XPS and embedded within a screed
- YELOfon HD10+ resilient layer installed under thermal insulation
- MF ceiling system fixed to underside of plank

ROBUST DETAIL
E-FC-5⁽¹⁾
E-FC-17



Typical airborne performance⁽²⁾

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

Typical impact performance⁽²⁾

54dB $L_{nT,w}$

Building Regs

+5dB

Fire resistance⁽²⁾

60min

 Free on-site
RD compliance
training provided

Item	Material
1	10 -16mm underfloor heating pipe (supplied by third party) clipped to insulation board
2	65mm (min) sand cement screed or 40mm (min) proprietary screed (80kg/m ²)
3	CELLECTA HEXATHERM XFLOOR 250 or 300 floor insulation
4	3 part resilient layer System CELLECTA YELOfon HD10+ resilient layer (10mm thick) CELLECTA J-strip high grab acoustic jointing tape CELLECTA YELOfon E-strip perimeter edge strip to isolate the screed from the wall treatment
5	150mm (min) pre-cast concrete floor plank (300kg/m ² min)
6 ⁽¹⁾	CELLECTA AH50 unique rubber isolated hanger fixed to MF ceiling strap/profile and plank with suitable fixings
7	50mm CELLECTA FIBREfon Micro 50 or 100mm (10-36kg/m ³) mineral wool fitted in ceiling void
8	12.5mm (8kg/m ² min) plasterboard fixed to metal frame (MF) ceiling system. 150mm void

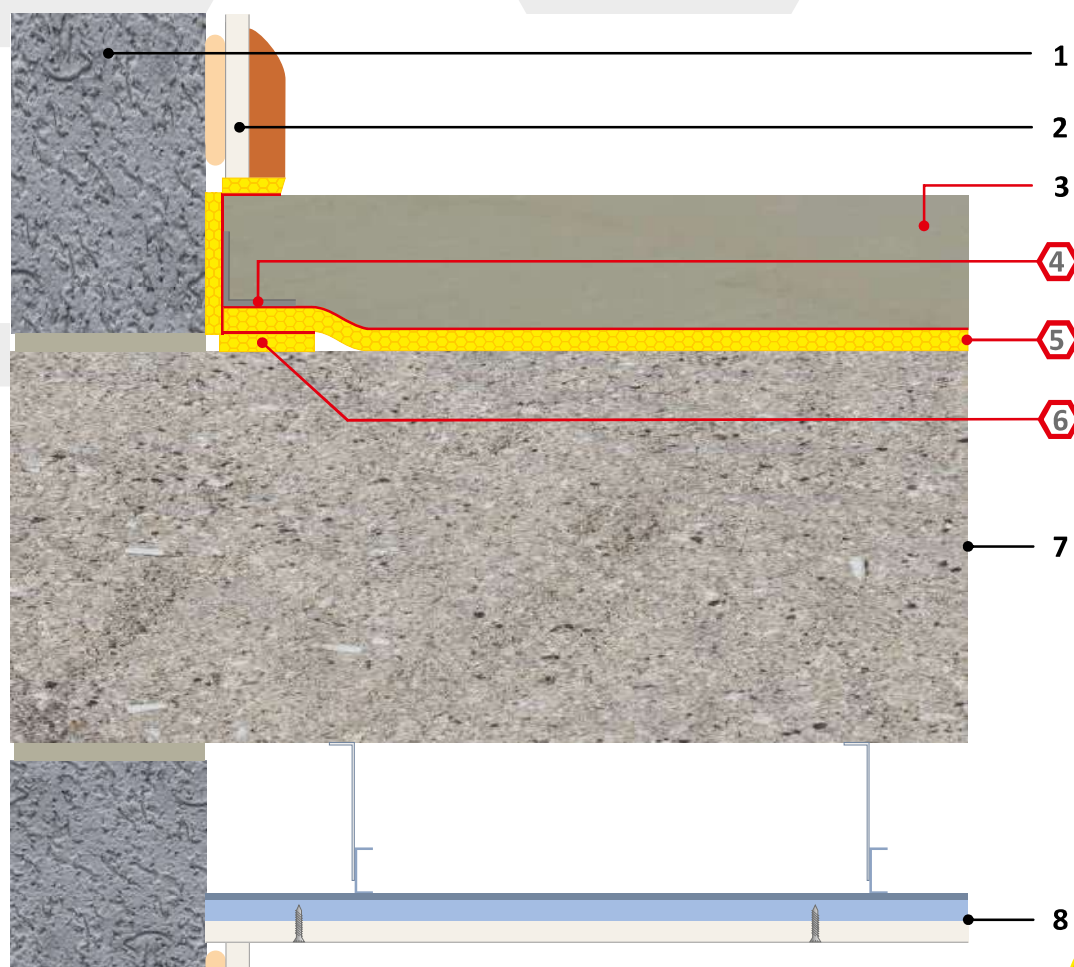
(1) E-FC-17 requires CELLECTA AH50 acoustic hangers & FIBREfon Micro 50 or 100mm mineral wool quilt to be installed to improve the acoustic performance of the ceiling.

(2) Values quoted are typical and based on the treatment being installed correctly and pre-completion tested (PCT).

(3) Value stated given as a guide. Refer to Building Regulations Part B to ensure legislative requirements are met.



- In-situ concrete slab separating floor with masonry walls (RD E-FC-18)
- Screed laid on YELOfon HD10+ high performance resilient layer
- MF ceiling system fixed to underside of slab



ROBUST DETAIL
E-FC-18

Typical airborne
performance⁽¹⁾

55dB $D_{nT,w} + C_{tr}$

Typical impact
performance⁽¹⁾

50dB $L_{nT,w}$

Building Regs

+8dB

Fire resistance⁽²⁾

60min

Free on-site
RD compliance
training provided

Item	Material
1	100mm (min) thick masonry wall
2	13mm thick plaster or 12.5mm plasterboard on dabs (8kg/m ²)
3	65mm (min) sand cement screed or 40mm proprietary screed (80kg/m ²)
3 part resilient layer System	4 CELLECTA J-strip high grab acoustic jointing tape
	5 CELLECTA YELOfon HD10+ resilient layer (10mm thick)
	6 CELLECTA YELOfon E-strip perimeter edge strip to isolate the screed from the wall treatment
7	225mm (min) in-situ concrete slab (2400kg/m ³ min)
8	12.5mm (8kg/m ² min) plasterboard fixed to metal frame (MF) ceiling system. 150mm void

(1) Values quoted are typical and based on the treatment being installed correctly and pre-completion tested (PCT).

(2) Value stated given as a guide. Refer to Building Regulations Part B to ensure legislative requirements are met.

**Call for a quote or
free technical advice**

