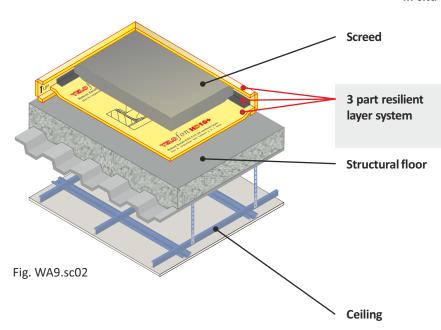
Separating floor - Steel-concrete composite

Screed laid on CELLECTA YELO fon HD10+ resilient layer System In-situ concrete slab supported by profiled metal deck



- 65mm (min) sand cement screed
- 40mm proprietary screed, nominal 80kg/m² mass per unit area
- 1. CELLECTA YELO fon HD10+
- 2. E-strip perimeter edge strip
- 3. J-strip acoustic joining tape

In-situ concrete slab supported by profiled metal decking:

- · "Shallow" or "deep" profiled metal decking
- Overall distance from top surface of concrete to underside of ceiling treatment 300mm (min)
- Concrete thickness 80mm (min) at shallowest point and 130mm (min) at deepest point
- Concrete density 2200kg/m³ (min)

See Table WA9.sc02b for ceiling treatment

Table WA9.sc02a

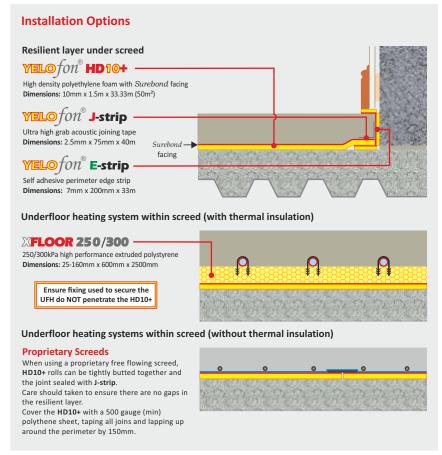
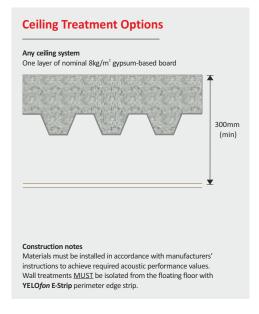


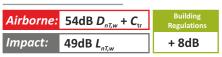
Table WA9.sc02b





Environmental Credentials

Acoustic Performance



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

Third Party Accreditation and Approvals

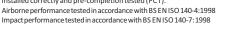














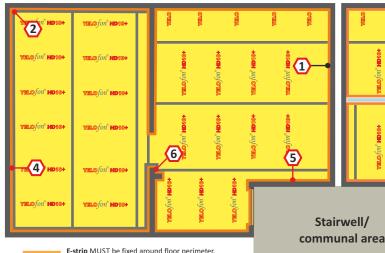




Design & installation details - YELO fon HD10+

The acoustic performance of the floor will be compromised if the screed is not completely isolated from the structural slab, soil pipes, door frames, the surrounding walls and their treatments. To address this risk, each potential problem area needs to be detailed

Partitions installed off the floor screed



E-strip <u>MUST</u> be fixed around floor perimeter, including around all blockwork walls that are built off the structural slab

Partitions installed before the floor finish is laid





E-strip <u>MUST</u> be fixed around floor perimeter, including around all partition walls that are built off the structural slab

1 Perimeter detail



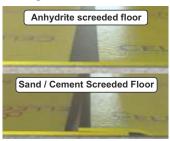
Around the whole floor perimeter stick the **E-strip** to the wall, folding up the bottom flap and overlap with the **HD10+** (by at least 40mm). Seal all joints

Room corners



In corners, mitre the **E-strip's** upper and lower flaps to allow them to fold in. The bottom flap must then be overlapped by the **HD10+** by at least 40mm, with the joint sealed with **J-strip**.

3 Joining rolls



Anhydrite: Butt join and seal joint with J-strip and cover HD10+ with 500g polythene sheet.
Sand/cement: Overlap by 150mm and seal joint with J-strip.

4 Soil pipes



Soil pipes and services that penetrate through the HD10+ or E-strip MUST be isolated from the screed by wrapped them in E-strip and sealing the joints with J-strip.

(5) Services



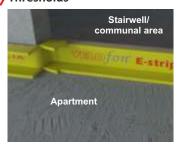
Services should be secured to the structural slab with straps and covered with HD10+. Alternatively, they can be laid over the HD10+ and held in position with J-strip until the screed is applied. Services that penetrate the resilient layer <u>MUST</u> be isolated from the surrounding structure by wrapping them in E-strip, and sealing all joints with J-strip.

6 Doorways



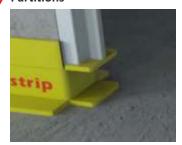
Ensure **E-strip** goes under <u>ALL</u> door frames to eliminate the risk of acoustic flanking.

(7) Thresholds



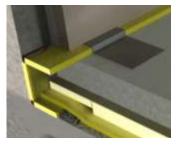
To stop acoustic flanking at the threshold, fix a timber batten across the door opening to act as a "stop" and stick the **E-strip** to it. Trim off excess strip with a sharp knife.

(8) Partitions



Should partitions be built off the sub-floor, stick the E-strip to the partition, folding up its bottom flap. Overlap the HD10+ and seal all joints and gaps with J-strip.

(9) Wall treatments



Fold down the upper section of the **E-strip** and tape in position. Ensure \underline{ALL} wall treatments including plaster, plasterboards, plaster adhesive and skirting boards are completely isolated from the screed.





