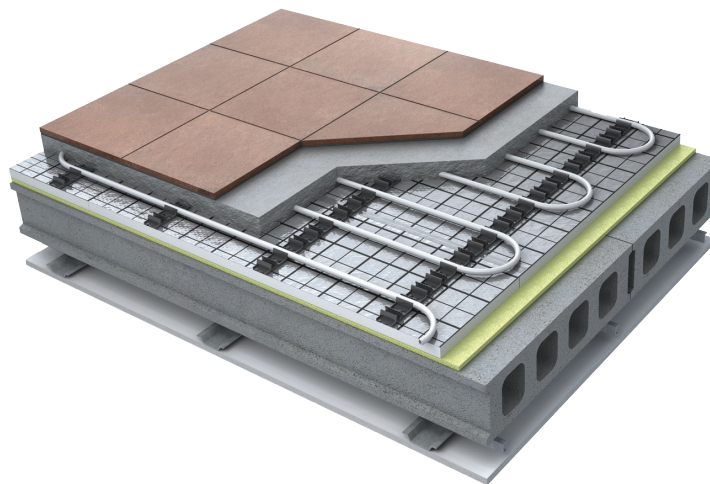


ASC14 – 14mm Fastflo™ WITH CLIPRAIL FOR ACOUSTIC SAND & CEMENT SCREED FLOORS

COMPLIES WITH ROBUST DETAIL E-FC-05 OR E-FC-11



ASC14

- Robust Detail
- Acoustic floor cassette to meet Part E requirements
- Highly thermally conductive
- Suitable for concrete slab, beam & block or precast concrete plank
- Ideally complements the reduced temperatures associated with heat pumps – enhancing efficiency
- Compositional mass of floor produces high quality floor finish
- Simple, quick application
- Standard site process

For site-specific floor cassette detail please contact Nu-Heat.

HEAT OUTPUT

(m² °K/W)

Water temp	R = 0.05 (tile)	R = 0.1 (timber)	R = 0.2 (carpet)
45 °C flow (40 ° average)	98 W/m ²	59 W/m ²	52 W/m ²
55 °C flow (50 ° average)	100 W/m ² *	75 W/m ² *	77 W/m ²

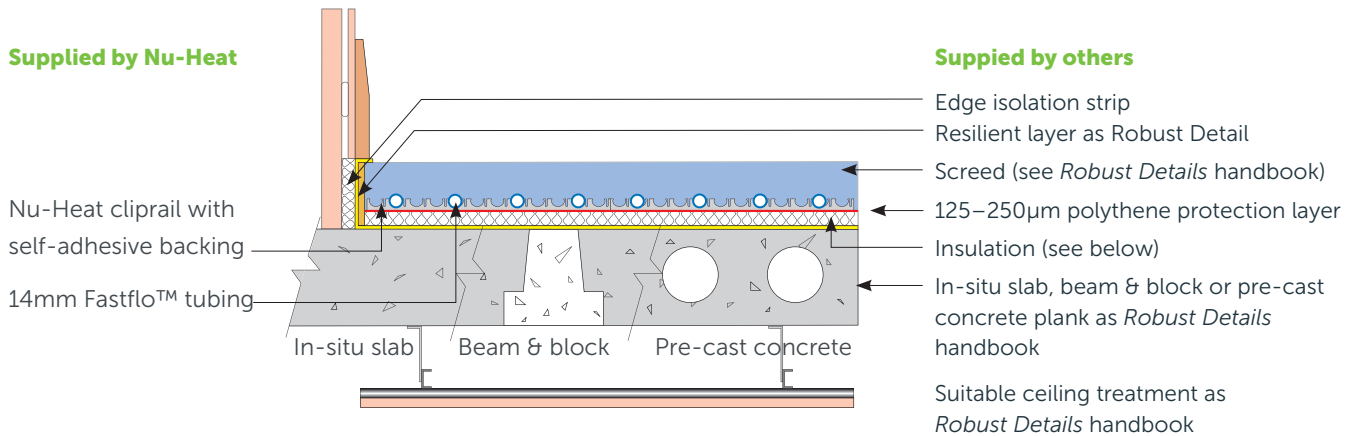
Nominal value; output values vary depending on specific floor finish.
*Limited by floor covering surface temperature limit.



www.nu-heat.co.uk/floorspecs

Acoustic performance data is taken from tests carried out at the Sound Research Laboratories, Sudbury in accordance with BS EN ISO – 717.1:1997 and BS EN ISO 717.2:1997. Laboratory performances stated are specific to the above system only, inclusive of all elements shown and correct installation and should be used for guidance only. All loading data is tested in accordance with DIN 1055-3. All fire performance data and building material classes are to EN 13501-1.

The information contained in this publication is believed to be current and accurate as at the date of publication but no warranty, express or implied is given. Updates will not be issued automatically.



May be used with Robust Detail E-FC-05 or E-FC-11

FLOOR HEATING TUBE

Nu-Heat's 14mm Fastflo™ tubing is extremely flexible which means that it can easily be installed around the numerous turns typical to any design. The use of multiple, shorter Fastflo™ coils within each temperature control zone means the tubing is installed at closer centres, suitable even for low temperature heat sources (e.g. heat pumps).

SCREED

Screed of 80kg/m² mass per unit area must be applied. Adding 1mm to the screed depth offsets the combined volume of pipe and cliprail. With sand and cement screeds the thickness should be a minimum of 65mm, with liquid screeds it should be at least 50mm. This depth should be measured at the centre of span of the pre-cast plank, hence the highest point of the floor.

INSULATION

Robust Details Ltd permit the use of underfloor heating systems that have a 'supporting layer/board' between the resilient layer and screed. Celotex (25-30mm minimum, 65mm maximum) type rigid board insulation (PIR/PUR) panel, should be positioned above the base resilient layer to provide an adequate level of thermal insulation which will expedite response times and enhance system control.

PIPE STAPLES

Pipe staples may be used and are supplied in a length that will not puncture the resilient layer.

EXPANSION JOINTS

Expansion joints must be incorporated in areas over 40m², or with length greater than 8m and across doorways and other changes of section. Where tube passes across expansion joints it must be covered with sleeving for at least 200mm either side.

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RESILIENT LAYER

E-FC-5: YELOfon HD10+ by Cellecta.

E-FC-11: TRANQUIL by Icopal-MONARFLOOR.

EDGE ISOLATION STRIP

E-FC-5: E-strip perimeter edging by Cellecta.

E-FC-11: Resilient layer continues up wall.

USEFUL CONTACTS

Cellecta: Telephone: 08456 717174, Fax: 08456 717172,

Web: www.cellecta.co.uk

Icopal-MONARFLOOR: Telephone: 01618 666540,

Fax: 01618 666527, Web: www.icopal.co.uk

WARRANTIES/INSURANCE

Manufacturer's warranty: all UFH tube supplied by Nu-Heat is covered by a 50-year warranty, the first 10 years of which are insurance-backed.

Product liability: Nu-Heat maintains product liability insurance to £5 million.

Professional indemnity: As Nu-Heat's design service is integral to the operational effectiveness of the UFH system, the company holds professional indemnity insurance of £5 million to cover all aspects of our consultation and design services.

