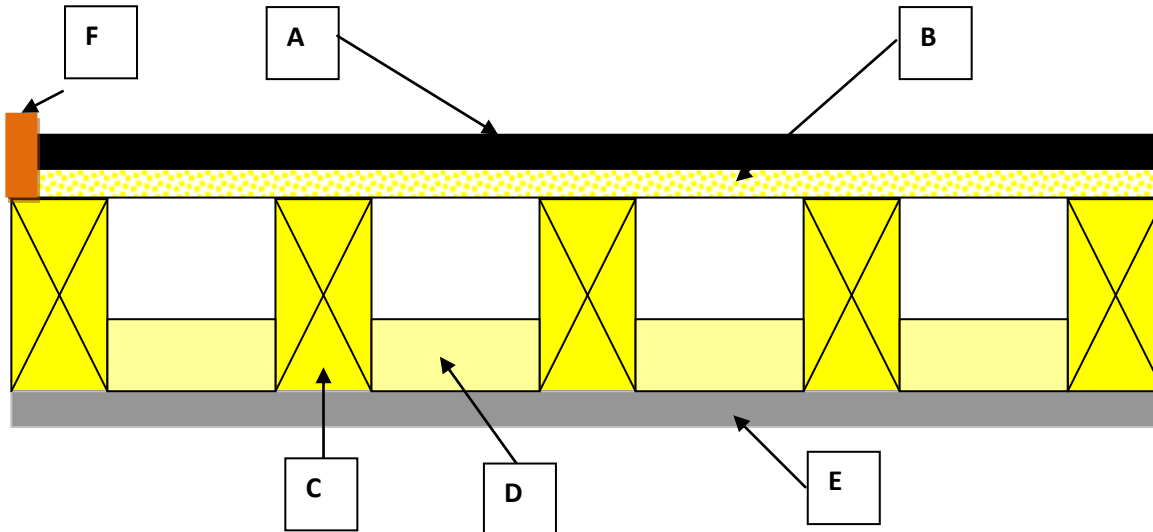




Acoustic & Fire System using Isorubber TF & TNF Slab for Timber Floors Above a Lath & Plaster or Plasterboard Ceiling



CROSS SECTION THROUGH A TIMBER FLOOR WITH LATH & PLASTER CEILING

A = BRC Isorubber TF 1.25m x 10m x 6mm

B = TYPICAL FLOORING GRADE CHIPBOARD/PLYWOOD DECK / FLOORBOARDS

C = 150mm x 50mm TIMBER JOISTS @ 400mm CENTRES

D = 70mm TNF SLAB BETWEEN JOISTS (UP TO 90 MINUTES FIRE PROTECTION)

E = TYPICAL LATH & PLASTER CEILING or 12.5mm PLASTERBOARD

F = SKIRTING BOARD

A simple method of upgrading timber floors with Lath & Plaster or Plaster Board ceilings to achieve up to 90 minutes fire protection and improvements in the airborne and impact requirements of Part E of the Building Regulations where a Lath & Plaster or Plasterboard ceiling is left in situ.

TYPICAL TEST RESULTS

AIRBORNE	TYPICAL TEST RESULTS		IMPACT
Dntw + Ctr (dB) = 49	ACTUAL TEST RESULTS		Lntw (dB) = 57
DOC E REQUIREMENTS	DOC E REQUIREMENTS	DOC E REQUIREMENTS	
Dntw + Ctr (dB) = 45 (min)	PURPOSE BUILT	Lntw (dB) = 62 (max)	
Dntw + Ctr (dB) = 43 (min)	CHANGE OF USE	Lntw (dB) = 64 (max)	