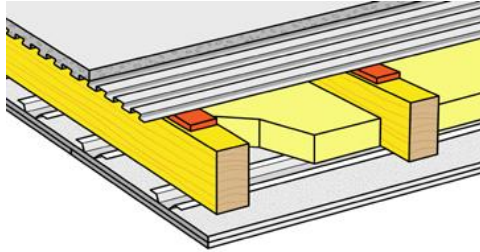




Innovative Construction Materials Ltd

Unit 48C • Avenue 4 • Chilton Industrial Estate
Chilton • Co. Durham • DL17 0SQ
Telephone: 01388 728833 • Fax: 01388 728834
email: info@cdi-icm.co.uk • web: www.cdi-icm.co.uk

G30 Metal Profile Sheetting (for Acoustic Floors).



LWS Sylomer 1: Lewis Deck with Sylomer TSS resilient strips:

Properties:

Airborne Sound:	DnTw+Ctr: 62
	DnTw: 73
Impact Sound:	LnTw: 47

To be read with Preliminaries/ General conditions.

LEWIS DECK – 16MM STEEL PROFILE SHEETS

120A STEEL PROFILED SHEET

- Distributor: CDI-ICM
- Web: www.cdi-icm.co.uk
- Email: info@cdi-icm.co.uk
- (01388) 728833
- Product Reference: Lewis Deck
- Steel Gauge: 0.5mm – 16mm deep profile
- Sheet lengths: 1300mm
2500mm
Bespoke lengths on request
- Sheet width: 630mm
- Substrate: Timber joists/ steel joists/ In-situ concrete slabs
- Acoustic layer: 6mm rubber resilient strip (50mm wide)
25mm Lewis mineral wool resilient strips (100mm wide)
12mm Sylomer TSS resilient strips (80mm wide)
- Screed Construction: 36mm thick pump mix concrete or anhydrite screed unheated
50mm thick pump mix concrete or anhydrite screed (Acoustic/ Fire)
52mm thick pump mix concrete or anhydrite screed with UFH pipes

GENERALLY/ PREPERATION

220 SUITABILITY OF SUB FLOOR

- General: Within tolerances for level and surface regularity.
- Structurally sound and able to take dead weight of sheet plus screed.
- Flanking/ expansion strips correctly installed.
- Acoustic strips fitted on top of clean top face of joists/ concrete slab.



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230 CONDUITS/ SERVICES

- Conduit and service runs generally to be though joist depth.
- Vertical penetrations can be installed prior or after screeding by coring through the screed.
- Lewis sheets easily cut by use of a steel cutting disk.

260 CONSTRUCTION/ INSTALLATION

- Insulation: 100mm mineral wool to between joists, tbc by others.
- Acoustic layers from:
 - 6mm LEWIS Rubber resilient strips.
 - 12mm LEWIS Sylomer TSS resilient strips.
 - 25mm LEWIS Mineral wool resilient strips.
- Flanking strips: 100x20mm LEWIS mineral wool strips
- Sheets: Loose laid if using anhydrite screed – temporarily screw fix if using concrete screed.
- Lewis Joints: 100mm overlaps to width and 50mm overlap to length.

SCREEDS

315 SELF SMOOTHING/ PUMP CONCRETE MIX SCREEDS

- Anhydrite or pump mix concrete screeds from readymix plants only.
- To be installed by approved contractors.
- 1:2.5:1 mix sand/ cement screeds can be batched by hand. Please note must be minimum 50mm thick (10mm fine grade agg).

PROPERTIES

420 TECHNICAL

- Fire resistance ratings of 60, 90 and 120 minutes.
- Airborne and impact sound transmission values according to Building Regulations, Approved Document E.
- Increased strength and rigidity of the interconnected floor system results in an extra load-bearing capacity of up to 30% for the floor as a whole.
- Water resistant structural floors.
- Profile allows air circulation essential for timber preservation.
- Total floor thickness as low as 36mm, acoustic floors 50 mm.
- High load bearing capacity combined with low dead load of 0.9 kN/m² (at 50mm).