

Trisobuild™ Built-Up 'U' Values

The depth below refers to the top spacer bracket & quilt insulation height above the standard top hat stool and assumes purlin centres of 1800mm and bracket centres of 1000mm

- Depth 100 = 0.26 W/m²K.
- Depth 120 = 0.23 W/m²K.
- Depth 140 = 0.20 W/m²K.
- Depth 180 = 0.17 W/m²K.



LP51181:1 Approved
4606/7,4,15,16 & 23

Tata Steel retain the right to amend
the construction and technical specifications
shown on this drawing without prior notice.

TATA STEEL

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PROJECT

TYPICAL TRISOBUILD™
BUILT UP ROOF DETAIL

TITLE Sound Absorption System - Trough
perforated RL32 without trough
infill

DRAWN BY JCA

SCALE NTS

APPROVED BY

DA

TOLERANCES

DATE

14/06/10

DRG. No.

R1-046-01-B

Frequency (Hz)	Sound Absorption	
	$\bar{\alpha}_w$	$\bar{\alpha}_p$
50	0.28	
63	0.57	0.45
80	0.47	
100	0.74	
125	0.94	0.95
160	1.10	
200	1.06	
250	1.24	1.00
315	1.11	
400	1.06	
500	1.09	1.00
630	1.09	
800	1.09	
1000	1.01	1.00
1250	0.83	
1600	0.68	
2000	0.61	0.65
2500	0.63	
3150	0.66	
4000	0.63	0.65
5000	0.69	

Single Figure Rating: $\bar{\alpha}_w = 0.75$ (LM), Sound Absorption Class C

The tested construction is as drawn, deeper spacers and thicker layers of glass fibre quilt and/or glass fibre wool are acceptable, and would not be expected to be detrimental to the acoustic performance.

