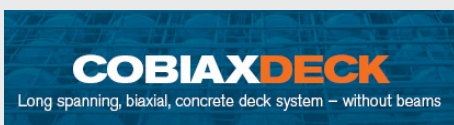
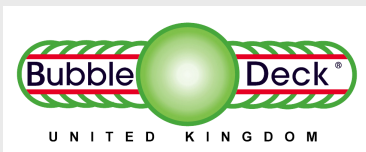
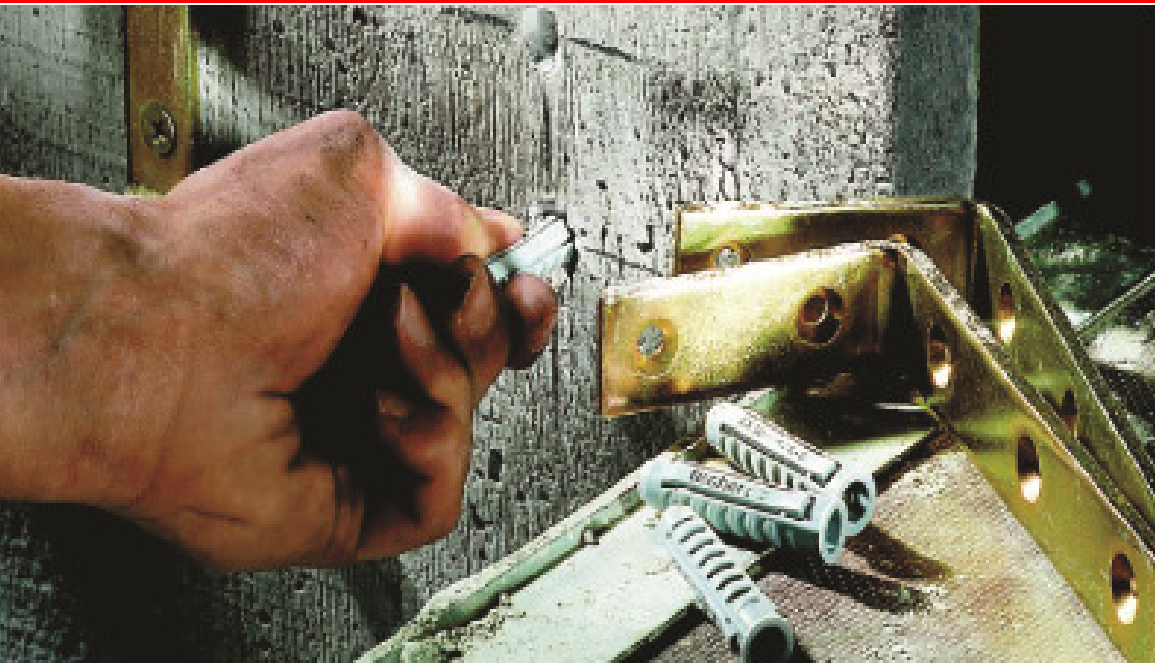


fischer Substrate Test Report - Summary



For further information on the substrates and fixings please contact the Technical Department
Address on the rear.

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Medium density blocks



1. Forticrete Hi-Light - 7N/mm ²			
Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
FIS V360 S	10.53kN	2.6kN	110
KD8	8.75kN	2.1kN	110
FHY	7.2kN	1.8kN	110
SXS	2.04kN	0.3kN	110



2. Master Block Multicell - 7N/mm ²		
Product Tested	Average Ultimate Load	Safe Working Load
FUR 10x100	0.6kN	0.09kN
SX10	0.9kN	0.12kN
FISH 360 S & FISH N	10.9kN	2.7kN



3. Tarmac Hemelite 100mm Solid – 7.3N/mm ²			
Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
SX 8	5.60kN	0.80kN	80mm
UX 8	2.30kN	0.33kN	80mm
M8 Unit	5.16kN	0.73kN	220mm
FUR 10x80	5.11kN	0.73kN	110mm
SXS 10x80	6.16kN	0.90kN	110mm
FFS	5.35kN	1.33kN	110mm
FSA 10	6.15kN	1.53kN	220mm
FISV 360 S + M8	8.05kN	2.01kN	220mm

4. Tarmac Topcrete 100mm Solid - 7.3N/mm ²			
Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
SX 8	1.58kN	0.23kN	80mm
UX 8	0.73kN	0.11kN	80mm
FUR 10x80	6.75kN	0.96kN	110mm
SXS 10x80	8.58kN	1.23kN	110mm
FU 8	1.42kN	0.20kN	80mm
FSA 10	6.16kN	1.54kN	220mm
FISV 360 S + M8	7.32kN	1.83kN	220mm

5. Tarmac Topcrete multi-core block - 7N/mm ²			
Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
FISV 360 S	11.9kN	2.9kN	220
FHY M10	1.4kN	0.35kN	70
M UNIT M10	2.7kN	0.38kN	70
SX Plug	2.2kN	0.31kN	70
FU 10	3.3kN	0.47kN	70

6. Tarmac Topcrete 140mm Cellular - 7.3N/mm ²			
Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
FHY M8	3.83kN	0.96kN	220mm
M8 Unit	4.00kN	1.00kN	220mm
FISV 360 S M12	6.88kN	1.72kN	220mm

Lightweight blocks

7. Tarmac Hemelite 100mm Solid - 7.3N/mm ²			
Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
SX 8	1.40kN	0.20kN	80mm
UX 8	1.00kN	0.14kN	80mm
FUR 10x80	5.70kN	0.81kN	110mm
SXS 10x80	7.75kN	1.11kN	110mm
FU 8	1.68kN	0.24kN	80mm
FSA 10	4.33kN	1.08kN	220mm
FISV 360 S + M8	7.33kN	1.83kN	220mm

8. Tarmac Hemelite 100mm Cellular - 3.6N/mm ²			
Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
UX 8	0.74kN	0.10kN	80mm
M8 Unit	3.96kN	0.56kN	220mm
FFS	2.71kN	0.69kN	110mm
FISV 360 S + M8	7.20kN	1.80kN	220mm

Aircrete blocks



9. Tarmac Toplite 100mm GTI - 2.8N/mm²			
Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
SX 8	0.38kN	0.06kN	80mm
UX 8	0.53kN	0.08kN	80mm
FUR 10x80	1.53kN	0.22kN	110mm
GB 10	1.62kN	0.23kN	220mm
FISV + PBB + M8	6.38kN	1.59kN	220mm
FNH 6/60	0.23kN	0.06kN	210mm
FMD 6x32	1.20kN	0.30kN	120mm
FTP M6	1.40kN	0.35kN	150mm
DHM	0.69kN	0.17kN	150mm

10. Tarmac Durox Supabloc - 3.5N/mm²			
Product tested	Average Ultimate load	Safe Working load	Characteristics Axial spacing
FISV + PBB + M10	4.63kN	1.15kN	150
FISV + PBB + M12	5.36kN	1.34kN	150
FUR 8X80 T	1.91kN	0.27kN	110
FUR 10X80 T	2.41kN	0.34kN	110
S8 H 80 RT	1.55kN	0.22kN	110
S10 H 80 RT	1.36kN	0.19kN *	110
SX8	1.46kN	0.20kN	110
SX10	2.11kN	0.30kN	110

11. Tarmac Toplite 100mm Standard - 3.6N/mm²			
Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
SX 8	1.57kN	0.22kN	80mm
UX 8	0.53kN	0.08kN	80mm
FUR 10x80	2.15kN	0.31kN	110mm
GB 10	2.17kN	0.31kN	220mm
FTP M8	0.88kN	0.22kN	220mm
FISV + PBB + M8	7.38kN	1.84kN	220mm
FNH 6/60	0.51kN	0.13kN	210mm
FMD 6x32	2.27kN	0.56kN	120mm
FTP M6	2.18kN	0.54kN	150mm
DHM	0.76kN	0.19kN	150mm

12. Tarmac Toplite 140mm '7' - 7.3N/mm²			
Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
SX 8	1.98kN	0.28kN	80mm
UX 8	1.00kN	0.15kN	80mm
FUR 10x80	2.99kN	0.43kN	110mm
GB 10	2.52kN	0.36kN	220mm
FTP M8	0.10kN	0.03kN	220mm
FISV + PBB + M8	7.38kN	1.84kN	220mm
FNH 6/60	0.85kN	0.21kN	210mm
FMD 6x32	4.45kN	1.11kN	120mm



13. Thermalite Turbo - 2.9N/mm²			
Product tested	Average Ultimate load	Safe Working load	Characteristic Axial spacing
SX 8	0.73kN	0.10kN	120
SX 10	2.08kN	0.30kN	120
S-H-R	1.72kN	0.24kN	210
FUR 10	2.23kN	0.32kN	210
FUR 8	1.87kN	0.27kN	210
FIS V + PBB + M10	4.60kN	1.15kN	200
FIS V + PBB + M12	5.30kN	1.32kN	250

14. Thermalite Shield – 3.6N/mm²			
Product tested	Average Ultimate load	Safe Working load	Characteristic Axial spacing
SX 8	1.13kN	0.16kN	150
SX 10	1.78kN	0.25kN	150
S-H-R	1.80kN	0.26kN	210
FUR 10	2.35kN	0.33kN	210
FUR 8	2.18kN	0.31kN	210
FIS V + PBB + M10	3.90kN	0.97kN	200
FIS V + PBB + M12	4.46kN	1.12kN	250

15. Thermalite Partywall - 4.0N/mm ²			
Product tested	Average Ultimate load	Safe Working load	Characteristic Axial spacing
SX 8	1.18kN	0.17kN	120
SX 10	2.50kN	0.36kN	150
S-H-R	2.27kN	0.32kN	210
FUR 10	3.10kN	0.44kN	210
FUR 8	2.25kN	0.32kN	210
FIS V + PBB + M10	3.92kN	0.98kN	200
FIS V + PBB + M12	5.36kN	1.34kN	250

16. Thermalite Hi Strength 7 - 7.3N/mm ²			
Product tested	Average Ultimate load	Safe Working load	Characteristic Axial spacing
SX 8	2.68kN	0.38kN	120
SX 10	3.73kN	0.53kN	150
S-H-R	2.47kN	0.35kN	210
FUR 10	3.35kN	0.48kN	210
FUR 8	2.08kN	0.30kN	210
FIS V + PBB + M10	7.13kN	1.78kN	200
FIS V + PBB + M12	8.13kN	2.03kN	250

Plasterboard/Wallboard



17. British Gypsum 12.5mm Glasroc MultiBoard		
Product Tested	Average Ultimate Load	Safe Working Load
PD 10	0.89kN	0.12kN
HM5x52	0.9kN	0.22kN
UX8x50 R	1.11kN	0.16kN
KD6 Gravity toggle	1.3kN	0.33kN

18. British Gypsum 12.5mm Gyproc WallBoard		
Product Tested	Average Ultimate Load	Safe Working Load
PD 10	0.47kN	0.07kN
HM5x52	0.57kN	0.14kN

19. British Gypsum 15mm Gyproc SoundBloc

Products Tested	Average Ultimate Load	Safe Working Load
PD 10	0.75kN	0.10kN
HM5x52	0.73kN	0.18kN
HM8x55	0.73kN	0.18kN
UX8x50 R	0.82kN	0.12kN
KD6 Gravity toggle	1.0kN	0.25kN

20. British Gypsum 15mm Gyproc DuraLine

Products Tested	Average Ultimate Load	Safe Working Load
PD 10	0.8kN	0.11kN
HM5x52	0.86kN	0.21kN
HM8x55	0.9kN	0.23kN
UX8x50 R	0.91kN	0.13kN
KD6 Gravity toggle	1.17kN	0.29kN

21. British Gypsum 15mm Gyproc FireLine

Product Tested	Average Ultimate Load	Safe Working Load
PD 10	0.67kN	0.09kN
HM5x52	1.07kN	0.27kN
UX8x50 R	0.78kN	0.11kN
KD6 Gravity toggle	1.73kN	0.43kN



22. Knauf Drywall Standard 15mm plasterboard

Fixing Tested	Average ultimate load	Safe working load	Characteristic axial spacing
HM 8x55 SS	1.18kN	0.30kN	150mm
PD10	0.50kN	0.12kN	150mm
KD8	1.15kN	0.25kN	150mm
FU10x60	0.70kN	0.17kN	150mm
GK	0.70kN	0.17kN	150mm



23. Knauf Drywall Dense-shield 15mm plasterboard

Fixing Tested	Average ultimate load	Safe working load	Characteristic axial spacing
HM 8x55 SS	1.63kN	0.40kN	150mm
PD10	0.40kN	0.10kN	150mm
KD8	1.52kN	0.38kN	150mm
FU10x60	1.34kN	0.33kN	150mm
GK	0.70kN	0.17kN	150mm

24. Knauf Drywall Sound-shield 15mm plasterboard

Fixing Tested	Average ultimate load	Safe working load	Characteristic axial spacing
HM 8x55 SS	1.11kN	0.28kN	150mm
PD10	0.53kN	0.13kN	150mm
KD8	1.30kN	0.32kN	150mm
FU10x60	0.65kN	0.16kN	150mm
GK	0.29kN	0.07kN	150mm

25. Knauf Drywall Fire-shield 15mm plasterboard

Fixing Tested	Average ultimate load	Safe working load	Characteristic axial spacing
HM 8x55 SS	1.25kN	0.31kN	150mm
PD10	0.11kN	0.03kN	150mm
KD8	1.45kN	0.36kN	150mm
FU10x60	0.77kN	0.19kN	150mm
GK	0.41kN	0.05kN	150mm

26. Knauf Drywall Moisture-shield 15mm plasterboard

Fixing Tested	Average ultimate load	Safe working load	Characteristic axial spacing
HM 8x55 SS	1.25kN	0.31kN	150mm
PD10	0.70kN	0.20kN	150mm
KD8	1.37kN	0.34kN	150mm
FU10x60	0.84kN	0.21kN	150mm
GK	0.37kN	0.09kN	150mm



27. Lafarge Megadeco 15mm		
Fixing Tested	Average Ultimate load	Safe working load
KD 8	1.33kN	0.33kN
HM 8 x 55 SS	1.16kN	0.29kN
HM 6 x 52 S	1.03kN	0.25kN
HM 5 x 37 S	0.76kN	0.19kN
HM 4 x 46 S	0.52kN	0.13kN
PDM100	0.38kN	0.09kN



28. British Gypsum Double layer 15mm Glasroc MultiBoard		
Products Tested	Average Ultimate Load	Safe Working Load
HM5x65	0.8kN	0.20kN
UX8x50 R	0.7kN	0.10kN
KD6 Gravity toggle	1.4kN	0.35kN

29. British Gypsum Double layer of 15mm Gyproc SoundBloc		
Product Tested	Average Ultimate Load	Safe Working Load
HM5x65	1.3kN	0.28kN
UX8x50 R	1.25kN	0.18kN
KD6 Gravity toggle	2.45kN	0.61kN

Clay blocks



30. Womersleys Clay Bio Brics		
Product Tested	Average Ultimate Load	Safe Working Load
SX Plug	1.6kN	0.23kN
FUR Frame Fixing	1.17kN	0.17kN
FFS Screw	0.73kN	0.18kN
FISV 360 S Resin + FIS H N	2.9kN	0.72kN



31. NBT Ziegel Blocks					
Block Type	FUR 8x80T Average Ultimate Load	FUR 8x80T Safe Working Load *	UX 6x50 R Average Ultimate Load	UX 6x50 R Safe Working Load *	FISV360S Safe Working Load
Z1	1.72kN	0.2kN	1.09kN	0.15kN	0.30kN
Z2	0.83kN	0.11kN	0.93kN	0.13kN	
Z3	1.78kN	0.25kN	1.1kN	0.15kN	
Z4	2.07kN	0.29kN	1.36kN	0.19kN	
Z5	1.05kN	0.15kN	0.59kN	0.08kN	
Z6	1.61kN	0.23kN	0.94kN	0.13kN	
Z7	1.4kN	0.2kN	0.9kN	0.12kN	



32. Wienerberger Porothersm 190 Perforated fired clay blocks		
Product tested	Average Ultimate Load	Safe Working Load
UX 8 Plug	0.68	0.10
FUR 10	1.23	0.17
SXR 10	1.05	0.15
FISV 360 S + FIS H K	6.7	1.67

33. Wienerberger Porothersm 365 Perforated fired clay blocks		
Product tested	Average Ultimate Load	Safe Working Load
UX 8 Plug	0.91	0.13
FUR 10	1.15	0.16
SXR 10	1.25	0.17
FIS V 360 S + FIS H K	5.7	1.44

Hollow floor slabs



34. Bison Tensyland slab 55N/mm² – 25mm thick wall

Product Tested	Average Ultimate Load	Safe Working Load	Characteristic Axial Spacing
FISV 360 S with Sleeve	25.8kN	6.45kN	>240* >400*
FHY M8	10.05kN	2.51kN	>200
FHY M10	16.1kN	4.02kN	>200
KD 8 Gravity Toggle	12.0kN	3.0kN	>200
M Unit M10	10.6kN	1.51kN	>200
FFS Screw	9.96kN	2.5kN	>75
SX 10 Plug and Safety Screw	6.78kN	0.96kN	>200

Acheson — GLOVER

THE ACHESON & GLOVER GROUP

35. Acheson Glover (Finlay) Hollow Core Units

Product tested	Average ultimate load	Safe working	Characteristics axial spacing
SX 10	3.0kN	0.43kN	150mm
M Unit M10	11.4kN	1.63kN	150mm
KD8	8.95kN	2.24kN	150mm
FISV 360S + M10	21.6kN	5.42kN	200mm
FFS	7.5kN	1.88kN	150mm
FHY M10	14.91kN	3.72kN	150mm

Topfloor

36. Topfloor Hollowcore floor slab 150mm thick

Product Tested	Average Ultimate Load	Safe Working Load
Nylon M Unit	12.0kN	2.4kN
FFS Screw	5.1kN	0.96kN

37. Topfloor Lound M unit floor slab		
Product Tested	Average Ultimate Load	Safe Working Load
SX10	3.6kN	0.40kN
FIS V 360 S & FIS H N + M10	20.0kN	4.00kN
FNS Nail	3.1kN	0.64kN

38. Topfloor 225 DBT Unit		
Product Tested	Average Ultimate Load	Safe Working Load
SX 6	2.83kN	0.33kN
N8 Hammerfix	2.75kN	0.55kN

39. Topfloor 150 Spiroll Unit		
Product Tested	Average Ultimate Load	Safe Working Load
SX10	5.3kN	0.64kN
FDA-R M8	13.75kN	2.75kN
FDA-R M10	16.92kN	3.38kN
FBS 6	8.0kN	1.60kN
FBS 8	7.83kN	1.57kN
FNA	3.3kN	0.64kN
FHY + Gripple Hangfast	2.47kN	0.50kN
FHY M10	14.17kN	2.83kN
FHY M8	11.83kN	2.37kN
FIS V 360 S & FIS H N + M10	20.0kN	4.0kN

40. Topfloor 150 EST Unit		
Product Tested	Average Ultimate Load	Safe Working Load
SX 6	2.33kN	0.26kN
FNA 6 M8	6.5kN	1.30kN

41. Topfloor 225 EST Unit		
Product Tested	Average Ultimate Load	Safe Working Load
N6 Hammerfix	1.50kN	0.30kN
FNA 6 M8	6.75kN	1.35kN

42. Topfloor 320 IHE Unit		
Product Tested	Average Ultimate Load	Safe Working Load
FHY M8	19.5kN	3.90kN
FHY M10	20.0kN	4.0kN
FBS 6	12.83kN	2.57kN
FBS 8	19.58kN	3.92kN
FDA-R M8	16.58kN	3.32kN
FDA-R M10	19.0kN	3.80kN

43. Topfloor 150 DBW Unit		
Product Tested	Average Ultimate Load	Safe Working Load
SX 6	4.0kN	0.46kN
FNA 6 M8	6.75kN	1.35kN

44. Topfloor 150 DBT Unit		
Product Tested	Average Ultimate Load	Safe Working Load
FNA 6 M8	6.5kN	1.30kN



45. Hanson Hollowcore unit 200 mm deep		
Product tested	Average Ultimate load	Safe working load
SX 10	7.8kN	1.1kN
Nylon M Unit M10	12.5kN	1.78kN
FFS Screw	11.2kN	2.8kN
FIS V 360 S Resin + FIS H N	21.7kN	5.4kN
FBS 6	17.75kN	4.4kN
FBS 8	17.3kN	4.3kN
FBS 10	15.9kN	4.0kN
FHY M10	19.7kN	4.9kN

Thin pre-cast slabs



46. BubbleDeck Pre cast Structural Flooring System

Product Tested	Average Ultimate Load	Safe Working Load
FNA II 6x25/5	7.6kN	1.91kN
FBS 6x40 US	10kN	2.5kN
FBS 6 M8/M10I	18.83kN	4.70kN
FDA-R 6x25	8.3kN	2.08kN
FDA-R 8x30	11.26kN	2.81kN
FDA-R 10x30	14.16kN	3.54kN



47. Cobiax 50mm Precast Slabs and Omnia Slabs

Product Tested	Average Ultimate Load	Safe Working Load
FDA-R 6x25	12.3kN	3.1kN
FDA-R 8x30	15.6kN	3.9kN
FNA II 6x30/5	8.1kN	2.0kN
SXS 10x160 FUS	8.7kN	1.3kN
FISV 360 S + FIS H	4.8kN	1.2kN
FBS M8/M10 I	15.5kN	3.8kN
FBS 6x40	7.3kN	1.8kN
FISV 360 S + FZUB 14x40	17kN	4.3kN

48. Cobiax 75mm Precast Slabs and Omnia Slabs

Product Tested	Average Ultimate Load	Safe Working Load
FDA-R 6x25	12.9kN	3.2kN
FDA-R 8x30	15.5kN	3.9kN
FDA-R 10x30	9.21kN	2.3kN
FNA II 6x30/5	8.05kN	2.01kN
SXS 10x160 FUS	7.6kN	1.09kN
FISV 360 S + FIS H	7.53kN	1.8kN
FBS M8/M10 I	19.1kN	4.7kN
FBS 6x40	9.5kN	2.3kN
FISV 360 S + FZUB 14x40	17kN	4.3kN

Substrate tested	PD 10	UX 6	UX 8	SX 8	SX 10	N 8	FUR 8	FUR 10	SXS 10	HM 5	HM 8	FMD	GB	FTP	M Unit	FFS	KD 6	KD 8	FNA II	FDA-R 6	FDA-R 8	FDA-R 10	FBS 6	FBS 8	FSA 10	FHY M8	FHY M10	*FIS V	PBB 10	PBB 12	FIS V + FZUB	
Medium density blocks																																
1. Forticrete Hi-Light - 7N/mm ²									0.30								2.10									1.80		2.60				
2. Master Block Multicell - 7N/mm ²					0.12			0.09																				2.70				
3. Tarmac Hemelite 100mm Solid - 7.3N/mm ²			0.33	0.80				0.73		0.90					0.73	1.33									1.53			2.01				
4. Tarmac Topcrete 100mm Solid - 7.3N/mm ²			0.11	0.23				0.96		1.23															1.54			1.83				
5. Tarmac Topcrete multi-core block - 7N/mm2					0.31										0.38												0.35	2.90				
6. Tarmac Topcrete 140mm Cellular - 7.3N/mm ²															1.00											0.96		1.72				
Lightweight blocks																																
7. Tarmac Hemelite 100mm Solid - 3.6/mm ²			0.14	0.20				0.81		1.11																1.08			1.83			
8. Tarmac Hemelite 100mm Cellular - 3.6N/mm ²			0.10												0.56	0.69												1.80				
Aircrete blocks																																
9. Tarmac Toplite 100mm GTI - 2.8N/mm ²			0.08	0.06				0.22					0.30	0.23	0.35															1.59		
10. Tarmac Durox Supabloc - 3.5N/mm ²				0.20	0.30		0.27	0.34																						1.15	1.34	
11. Tarmac Toplite 100mm Standard - 3.6N/mm ²			0.08	0.22				0.31					0.56	0.31	0.22															1.84		
12. Tarmac Toplite 140mm '7' - 7.3N/mm ²			0.15	0.28				0.43					1.11	0.36	0.03															1.84		
13. Thermalite Turbo - 2.9N/mm ²				0.10	0.30			0.32																						1.15	1.32	
14. Thermalite Shield - 3.6N/mm ²				0.16	0.25		0.31	0.33																						0.97	1.12	
15. Thermalite Partywall - 4.0N/mm ²				0.17	0.36		0.32	0.44																						0.98	1.34	
16. Thermalite Hi Strength 7 - 7.3N/mm ²				0.38	0.53		0.30	0.48																						1.78	2.03	
Plasterboard/Wallboard																																
17. British Gypsum 12.5mm Glasroc MultiBoard	0.12		0.16							0.22							0.33															
18. British Gypsum 12.5mm Gyproc WallBoard	0.07																0.14															
19. British Gypsum 15mm Gyproc SoundBloc	0.10		0.12							0.18	0.18						0.25															
20. British Gypsum 15mm Gyproc DuraLine	0.11		0.13							0.21	0.23						0.29															
21. British Gypsum 15mm Gyproc FireLine	0.09		0.11							0.27							0.43															
22. Knauf Drywall Standard 15mm plasterboard	0.12										0.03						0.25															
23. Knauf Drywall Dense-shield 15mm plasterboard	0.10										0.40						0.38															
24. Knauf Drywall Sound-shield 15mm plasterboard	0.13										0.28						0.32															
25. Knauf Drywall Fire-shield 15mm plasterboard	0.03										0.31						0.36															
26. Knauf Drywall Moisture-shield 15mm plasterboard	0.20										0.31						0.34															
27. Lafarge Megadecco 15mm (see report for additional fixings)										0.19	0.29																					
28. British Gypsum Double layer 15mm Glasroc MultiBoard			0.18							0.20							0.61															
29. British Gypsum Double layer of 15mm Gyproc SoundBloc			0.18							0.28							0.61															
Clay blocks																																
30. Womersleys Clay Bio Brics					0.23			0.17								0.18													0.72			
31. NBT Ziegel Blocks (average loads - see report)		0.14				0.20																										
32. Wienerberger Porotherm 190 Perforated fired clay blocks				0.10				0.15	0.17																				1.67			
33. Wienerberger Porotherm 365 Perforated fired clay blocks				0.13				0.16	0.17																				1.44			
Hollow floor slabs																																
34. Bison Tensyland slab 55N/mm ² – wall thickness 25mm					0.96										1.51	2.50	3.00									2.51	4.02	6.45				
35. Finlay Hollow Core Units					0.43										1.63	1.88	2.24											3.72	5.42			
36. Topfloor Hollowcore floor slab 150mm thick															2.40	0.96																
37. Topfloor Lound M unit floor slab									0.40										0.64										4.00			
38. Topfloor 225 DBT Unit			0.33			0.55																										
39. Topfloor 150 Spiroll Unit					0.64														0.64		2.75	3.38	1.60	1.57		2.37	2.83	4.00				
40. Topfloor 150 EST Unit				0.26															1.30													
41. Topfloor 225 EST Unit						0.30													1.35													
42. Topfloor 320 IHE Unit																						3.80	2.57	3.92		3.90	4.00					
43. Topfloor 150 DBW Unit				0.46															1.35													
44. Topfloor 150 DBT Unit																			1.30													
45. Hanson Hollowcore unit 200 mm deep					1.10										1.78	2.80							4.40	4.30			4.90	5.40				
Thin pre-cast voided slabs																																
46. BubbleDeck Pre cast Structural Flooring System																		1.91	2.08	2.81	3.54	2.50										
47. Cobiax 50mm Precast Slabs and Omnia Slabs									1.30									2.00	3.10	3.90		1.80						1.20			4.30	
48. Cobiax 75mm Precast Slabs and Omnia Slabs									1.09									2.01	3.20	3.90		2.30	2.30					1.80			4.30	
*FIS V results are using different accessories - please see full reports.																																
For full details please see full reports or contact fischer Fixings Technical Department on 01491 727920																																
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