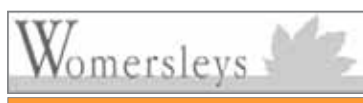
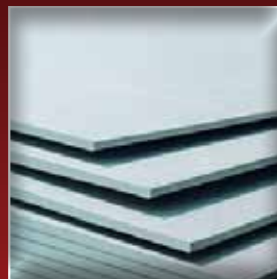


fischer Substrate Report

Summary 2012 / 01



For further information on the different substrates and fixings please contact the Technical Department - see back cover.



Technical disclaimer / Decisive factors

Due to the complexity of building materials, tools, fixing elements and installation techniques a comprehensive recommendation depends on full and detailed understanding of specific site conditions.

This document is a factual record of results obtained under specific conditions and does not constitute an endorsement of the suitability of the the product tested for any specific application. This responsibility remains with the customer.

The test results shall be used as a guide for assessment or anchor suitability. Even when our advise is given in good faith it cannot be binding for this reason and we cannot accept any liability for any anchor failure due to the wrong design, misuse or wrong installation.

For full Test Reports please contact the fischer technical Department:

Phone: 01491 827 920

E-mail: technical@fischer.co.uk

fischer Fixings (UK) Ltd.

Whitely Road, Wallingford, Oxon, OX10 9AT.

We cannot be responsible for any errors, and we reserve the right to make technical and range modifications without notice.

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Technical Training

We also offer training seminars suited to your individual needs and requirements.

Please call the technical department on the number below to find out more.

Call: 01491 827920

The information in this catalogue is intended for general guidance only and is given without engagement. Additional information and advice on specific applications is available from our Technical Support Team. For this however, we require a precise description of your particular application.

All the data in this price list concerning work with our fixings must be adapted to suit local conditions and the type of materials in use.

If no detailed performance specifications are given for certain articles and types, please contact out Technical Service Department for advice.

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Medium Density Blocks



1. Forticrete Hi-Light - 7N/mm²

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	FIS V 360 S	10.53kN	2.6kN	110 mm
	KD8	8.75kN	2.1kN	110 mm
	FHY	7.2kN	1.8kN	110 mm
	SXS	2.04kN	0.3kN	110 mm



2. Master Block Multicell - 7N/mm²

Image	Product tested	Average ultimate load	Safe working load
	FUR 10x100	1.42kN	0.20kN
	SX10	0.6kN	0.09kN
	FISH 360 S & FISH N	7.08kN	1.77kN



3. Tarmac Hemelite 100mm Solid - 7.3/mm²

Image	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
	FIS V 360 S + M8	8.05kN	2.01kN	220mm

Medium Density Blocks



Tarmac 

4. Tarmac Topcrete 100mm Solid - 7.3N/mm²

Image	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
	FSA 10	6.16kN	1.54kN	220mm
	FIS V 360 S + M8	7.32kN	1.83kN	220mm

Tarmac 



5. Tarmac Topcrete Multi-core Block - 7N/mm²

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	FIS V 360 S	11.9kN	2.90kN	220 mm
	FHY M10	1.4kN	0.35kN	70 mm
	M UNIT M10	2.7kN	0.38kN	70 mm
	SX Plug	2.2kN	0.31kN	70 mm
	FU 10	3.3kN	0.47kN	70 mm

Tarmac 

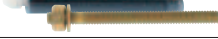
6. Tarmac Topcrete 140mm Cellular - 7.3N/mm²

Image	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
	FIS V 360 S M12	6.88kN	1.72kN	220mm

Lightweight Blocks



Tarmac 

7. Tarmac Hemelite 100mm Solid – 3.6N/mm ²				
Image	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
	FSA 10	4.33kN	1.08kN	220mm
	FIS V 360 S + M8	7.33kN	1.83kN	220mm

Tarmac 

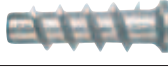
8. Tarmac Hemelite 100mm Cellular - 3.6N/mm ²				
Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	UX 8	0.74kN	0.10kN	80mm
	M8 Unit	3.96kN	0.56kN	220mm
	FFS	2.71kN	0.69kN	110mm
	FIS V 360 S + M8	7.20kN	1.80kN	220mm

Aircrete Blocks



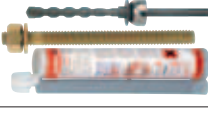
Tarmac 

9. Tarmac Toplite 100mm GTI - 2.8N/mm²

Image	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
	FIS V + 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

Tarmac 

10. Tarmac Durox Supabloc - 3.5N/mm²

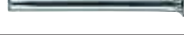
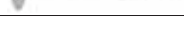
Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	FIS V + PBB + M10	4.63kN	1.15kN	150 mm
	FIS V + PBB + M12	5.36kN	1.34kN	150 mm
	FUR 8X80 T	1.91kN	0.27kN	110 mm
	FUR 10X80 T	2.41kN	0.34kN	110 mm
	SX8	1.46kN	0.20kN	110 mm
	SX10	2.11kN	0.30kN	110 mm

Aircrete Blocks



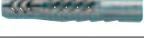
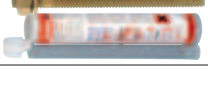
Tarmac 

11. Tarmac Toplite 100mm Standard - 3.6N/mm²

Image	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
	FIS V + 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

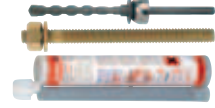
Tarmac 

12. Tarmac Toplite 140mm '7' - 7.3N/mm²

Image	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
	FIS V + PBB + M8	7.38kN	1.84kN	220mm
	FNH 6/60	0.85kN	0.21kN	210mm
	FMD 6x32	4.45kN	1.11kN	120mm

Aircrete Blocks

**THERMALITE****13. Thermalite Turbo - 2.9N/mm²**

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	SX 8	0.73kN	0.10kN	120 mm
	SX 10	2.08kN	0.30kN	120 mm
	S-H-R	1.72kN	0.24kN	210 mm
	FUR 10	2.23kN	0.32kN	210 mm
	FUR 8	1.87kN	0.27kN	210 mm
	FIS V + PBB + M10	4.60kN	1.15kN	200 mm
	FIS V + PBB + M12	5.30kN	1.32kN	250 mm

THERMALITE**14. Thermalite Shield – 3.6N/mm²**

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	SX 8	1.13kN	0.16kN	150 mm
	SX 10	1.78kN	0.25kN	150 mm
	S-H-R	1.80kN	0.26kN	210 mm
	FUR 10	2.35kN	0.33kN	210 mm
	FUR 8	2.18kN	0.31kN	210 mm
	FIS V + PBB + M10	3.90kN	0.97kN	200 mm
	FIS V + PBB + M12	4.46kN	1.12kN	250 mm

Aircrete Blocks



THERMALITE

15. Thermalite Partywall - 4.0N/mm²

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	SX 8	1.18kN	0.17kN	120 mm
	SX 10	2.50kN	0.36kN	150 mm
	FUR 10	3.10kN	0.44kN	210 mm
	FUR 8	2.25kN	0.32kN	210 mm
	FIS V + PBB + M10	3.92kN	0.98kN	200 mm
	FIS V + PBB + M12	5.36kN	1.34kN	250 mm

THERMALITE

16. Thermalite Hi-Strength 7 - 7.3N/mm²

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	SX 8	2.68kN	0.38kN	120 mm
	SX 10	3.73kN	0.53kN	150 mm
	FUR 10	3.35kN	0.48kN	210 mm
	FUR 8	2.08kN	0.30kN	210 mm
	FIS V + PBB + M10	7.13kN	1.78kN	200 mm
	FIS V + PBB + M12	8.13kN	2.03kN	250 mm

Plasterboard / Wallboard



17. British Gypsum 12.5mm Glasroc MultiBoard

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	PD 10	0.89kN	0.12kN	120 mm
	HM5x52	0.9kN	0.22kN	150 mm
	UX8x50 R	1.11kN	0.16kN	210 mm
	KD6 Gravity toggle	1.3kN	0.33kN	210 mm

18. British Gypsum 12.5mm Gyproc WallBoard

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	PD 10	0.47kN	0.07kN	120 mm
	HM5x52	0.57kN	0.14kN	150 mm

19. British Gypsum 15mm Gyproc SoundBloc

Image	Product tested	Average ultimate load	Safe working load
	PD 10	0.75kN	0.10kN mm
	HM5x52	0.73kN	0.18kN mm
	HM8x55	0.73kN	0.18kN mm
	UX8x50 R	0.82kN	0.12kN mm
	KD6 Gravity toggle	1.0kN	0.25kN mm

20. British Gypsum 15mm Gyproc DuraLine

Image	Product tested	Average ultimate load	Safe working load
	PD 10	0.8kN	0.11kN mm
	HM5x52	0.86kN	0.21kN mm
	HM8x55	0.9kN	0.23kN mm
	UX8x50 R	0.91kN	0.13kN mm
	KD6 Gravity toggle	1.17kN	0.29kN mm

Plasterboard / Wallboard



21. British Gypsum 15mm Gyproc FireLine

Image	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

Image	Product 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

Image	Product 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

Plasterboard / Wallboard
KNAUF DRYWALL

24. Knauf Drywall Sound-shield 15mm plasterboard

Image	Product 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

KNAUF DRYWALL
25. Knauf Drywall Fire-shield 15mm plasterboard

Image	Product 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

KNAUF DRYWALL
26. Knauf Drywall Moisture-shield 15mm plasterboard

Image	Product 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

Plasterboard / Wallboard



27. Lafarge Megadeco 15mm

Image	Product tested	Average ultimate load	Safe working load
	KD 8	1.33kN	0.33kN
	HM8x55 SS	1.16kN	0.29kN
	HM6x52S	1.03kN	0.25kN
	HM5x37S	0.76kN	0.19kN
	HM4x46S	0.52kN	0.13kN
	PDM100	0.38kN	0.09kN



28. British Gypsum Double layer 15mm Glasroc MultiBoard

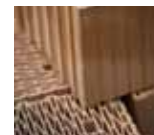
Image	Product tested	Average ultimate load	Safe working load
	HM5x65	0.8kN	0.20kN
	UX8x50 R	0.7kN	0.10kN
	KD6 Gravity toggle	1.4kN	0.35kN



29. British Gypsum Double layer of 15mm Gyproc SoundBloc

Image	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 Bricks

Image	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
	FIS V 360 S Resin + FIS H N	2.9kN	0.72kN



31. NBT Zeigel Blocks

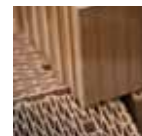
Block Type	FUR 8 x 80 T Average Ultimate Load	FUR 8 x 80 T Safe Working Load	UX 6 x 50 R Average Ultimate Load	UX 6 x 50 R Safe Working Load	FIS V 360 S Safe Working Load
					
Z1	1.72kN	0.2kN	1.09kN	0.15kN	0.30kN
Z2	0.83kN	0.11kN	0.93kN	0.13kN	
Z3	1.78kN	0.25kN	1.1kN	0.15kN	
Z4	2.07kN	0.29kN	1.36kN	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 Porotherm 190 Perforated fired clay blocks

Image	Product tested	Average ultimate load	Safe working load
	UX 8 Plug	0.68kN	0.10kN
	FUR 10	1.23kN	0.17kN
	SXR 10	1.05kN	0.15kN
	FIS V 360 S + FIS H K	6.7kN	1.67kN

Clay Blocks



33. Wienerberger Porotherm 365 Perforated fired clay blocks

Image	Product tested	Average ultimate load	Safe working load
	UX 8 Plug	0.91kN	0.13 mm
	FUR 10	1.15kN	0.16 mm
	SXR 10	1.25kN	0.17 mm
	FIS V 360 S + FIS H K	5.7kN	1.44 mm

Hollow Floor Slabs



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

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	FIS V 360 S with Sleeve	25.8kN	6.45kN	>240* >200
	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
	SX10 Plug & safety screw	6.78kN	0.96kN	>200

Hollow Floor Slabs

Acheson  **GLOVER**

THE ACHESON & GLOVER GROUP



35. Acheson Glover (Finlay) Hollow Core Units

Image	Product tested	Average ultimate load	Safe working load	Characteristic Axial spacing
	SX 10	3.0 kN	0.43kN	150mm
	M Unit M10	11.4kN	0.63kN	150mm
	KD8 Gravity Toggle	8.95kN	0.24kN	150mm
	FIS V 360 + M10	21.6kN	0.42kN	200mm
	FFS Screw	7.5kN	1.88kN	150mm
	FHY M10	14.91kN	3.72	150mm

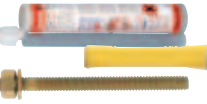
Topfloor 

36. Topfloor Hollowcore floor slab 150mm thick

Image	Product tested	Average ultimate load	Safe working load
	Nylon M Unit	12.0kN	2.4kN
	FFS Screw	5.1kN	0.96kN

Topfloor 

37. Topfloor Lound M unit floor slab

Image	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 Shot Fire Nail	3.1kN	0.64kN

Topfloor 

38. Topfloor 225 DBT Unit

Image	Product tested	Average ultimate load	Safe working load
	SX 6	2.83kN	0.33kN
	N8 Hammerfix	2.75kN	0.55kN



Hollow Floor Slabs



39. Topfloor 150 Spiroll Unit

Image	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

Image	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

Image	Product tested	Average ultimate load	Safe working load
	N6 Hammerfix	1.50kN	0.30kN
	FNA 6 M8	6.75kN	1.35kN

Hollow Floor Slabs

Topfloor 

42. Topfloor 320 IHE Unit			
Image	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

Topfloor 

43. Topfloor 150 DBW Unit			
Image	Product tested	Average ultimate load	Safe working load
	SX 6	4.0kN	0.46kN
	FNA 6 M8	6.75kN	1.35kN

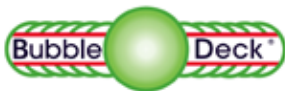
Topfloor 

44. Topfloor 150 DBT Unit			
Image	Product tested	Average ultimate load	Safe working load
	FNA 6 M8	6.5kN	1.30kN

Thin Pre-cast Slabs



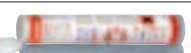
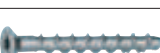
45. Hanson Hollowcore unit 200 mm deep			
Image	Product tested	Average ultimate load	Safe working load
	SX 10	7.8kN	1.1kN
	Nylon M Unit M10	12.5kN	1.78kN
	FFS Screw	11.2kN	2.8kN
	FIS V 360 S Resin + FIS H N	21.7kN	5.4kN
	FBS 6	17.75kN	4.4kN
	FBS 8	17.3kN	4.3kN
	FBS 10	15.9kN	4.0kN
	FHY M10	19.7kN	4.9kN



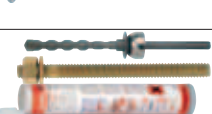
46. BubbleDeck Pre cast Structural Flooring System			
Image	Product tested	Average ultimate load	Safe working load
	FNA II 6x25/5	7.6kN	1.91kN
	FBS 6x40 US	10kN	2.5kN
	FBS 6 M8/M10I	18.83kN	4.70kN
	FDA-R 6x25	8.3kN	2.08kN
	FDA-R 8x30	11.26kN	2.81kN
	FDA-R 10x30	14.16kN	3.54kN

Thin Pre-cast slabs


COBIAXDECK

47. Cobiax 50mm Precast Slabs and Omnia Slabs			
Image	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
	FIS V 360 S + FIS H	4.8kN	1.2kN
	FBS M8/M10 I	15.5kN	3.8kN
	FBS 6x40	7.3kN	1.8kN
	FIS V 360 S + FZUB 14x40	17kN	4.3kN

COBIAXDECK

48. Cobiax 75mm Precast Slabs and Omnia Slabs			
Image	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
	FIS V 360 S + FIS H	7.53kN	1.8kN
	FBS M8/M10 I	19.1kN	4.7kN
	FBS 6x40	9.5kN	2.3kN
	FIS V 360 S + FZUB 14x40	17kN	4.3kN

Substrate tested	PD 10	UX 6	UX 8	SX 8	SX10	N 8	FUR 8	FUR 10	SXR	SXS 10	HM 5	HM 8	FMD	GB
														
Medium density blocks														
1. Forticrete Hi-Light - 7N/mm ²										0.30				
2. Master Block Multicell - 7N/mm ²					0.12			0.09						
3. Tarmac Hemelite 100mm Solid - 7.3N/mm ²			0.33	0.80				0.73		0.90				
4. Tarmac Topcrete 100mm Solid - 7.3N/mm ²			0.11	0.23				0.96		1.23				
5. Tarmac Topcrete multi-core block - 7N/mm ²					0.31									
6. Tarmac Topcrete 140mm Cellular - 7.3N/mm ²														
Lightweight blocks														
7. Tarmac Hemelite 100mm Solid - 3.6N/mm ²			0.14	0.20				0.81		1.11				
8. Tarmac Hemelite 100mm Cellular - 3.6N/mm ²			0.10											
Aircrete blocks														
9. Tarmac Toplite 100mm GTI - 2.8N/mm ²			0.08	0.06				0.22					0.30	0.23
10. Tarmac Durox Supabloc - 3.5N/mm ²				0.20	0.30		0.27	0.34						
11. Tarmac Toplite 100mm Standard - 3.6N/mm ²			0.08	0.22				0.31					0.56	0.31
12. Tarmac Toplite 140mm '7' - 7.3N/mm ²			0.15	0.28				0.43					1.11	0.36
13. Thermalite Turbo - 2.9N/mm ²				0.10	0.30			0.32						
14. Thermalite Shield - 3.6N/mm ²				0.16	0.25		0.31	0.33						
15. Thermalite Partywall - 4.0N/mm ²				0.17	0.36		0.32	0.44						
16. Thermalite Hi Strength 7 - 7.3N/mm ²				0.38	0.53		0.30	0.48						
Plasterboard/Wallboard														
17. British Gypsum 12.5mm Glasroc MultiBoard	0.12		0.16								0.22			
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		
20. British Gypsum 15mm Gyproc DuraLine	0.11		0.13								0.21	0.23		
21. British Gypsum 15mm Gyproc FireLine	0.09		0.11								0.27			
22. Knauf Drywall Standard 15mm plasterboard	0.12											0.03		
23. Knauf Drywall Dense-shield 15mm plasterboard	0.10											0.40		
24. Knauf Drywall Sound-shield 15mm plasterboard	0.13											0.28		
25. Knauf Drywall Fire-shield 15mm plasterboard	0.03											0.31		
26. Knauf Drywall Moisture-shield 15mm plasterboard	0.20											0.31		
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			
29. British Gypsum Double layer of 15mm Gyproc SoundBloc			0.18								0.28			
Clay blocks														
30. Womersleys Clay Bio Brics					0.23			0.17						
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					
33. Wienerberger Porotherm 365 Perforated fired clay blocks				0.13				0.16	0.17					
Hollow floor slabs														
34. Bison Tensylab slab 55N/mm ² - wall thickness 25mm					0.96									
35. Finlay Hollow Core Units					0.43									
36. Topfloor Hollowcore floor slab 150mm thick														
37. Topfloor Lound M unit floor slab										0.40				
38. Topfloor 225 DBT Unit				0.33		0.55								
39. Topfloor 150 Spiroll Unit					0.64									
40. Topfloor 150 EST Unit				0.26										
41. Topfloor 225 EST Unit						0.30								
42. Topfloor 320 IHE Unit														
43. Topfloor 150 DBW Unit				0.46										
44. Topfloor 150 DBT Unit														
45. Hanson Hollowcore unit 200 mm deep					1.10									
Thin pre-cast voided slabs														
46. BubbleDeck Pre cast Structural Flooring System														
47. Cobiax 50mm Precast Slabs and Omnia Slabs										1.30				
48. Cobiax 75mm Precast Slabs and Omnia Slabs										1.09				

*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

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 10	*FIS V	PBB 10	PBB 12	FIS V + FZUB
																	
				2.10								1.80		2.60			
														2.70			
	0.73	1.33									1.53			2.01			
											1.54			1.83			
	0.38												0.35	2.90			
	1.00											0.96		1.72			
											1.08			1.83			
	0.56	0.69												1.80			
0.35															1.59		
															1.15	1.34	
0.22															1.84		
0.03															1.84		
															1.15	1.32	
															0.97	1.12	
															0.98	1.34	
															1.78	2.03	
				0.33													
				0.25													
				0.29													
				0.43													
					0.25												
					0.38												
					0.32												
					0.36												
					0.34												
				0.61													
				0.61													
			0.18											0.72			
															1.67		
															1.44		
	1.51	2.50		3.00								2.51	4.02	6.45			
	1.63	1.88		2.24									3.72	5.42			
	2.40	0.96															
					0.64									4.00			
					0.64		2.75	3.38	1.60	1.57		2.37	2.83	4.00			
					1.30												
					1.35												
								3.80	2.57	3.92		3.90	4.00				
					1.35												
					1.30												
	1.78	2.80							4.40	4.30			4.90	5.40			
					1.91	2.08	2.81	3.54	2.50								
					2.00	3.10	3.90		1.80					1.20			4.30
					2.01	3.20	3.90	2.30	2.30					1.80			4.30

Loads shown are recommended loads



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Technical Training

We also offer training seminars suited to your individual needs and requirements. Please call the number above to find out more

