HADLEY GROUP

Hadley Systems

Hadley Drylining & SFS Performance Tables

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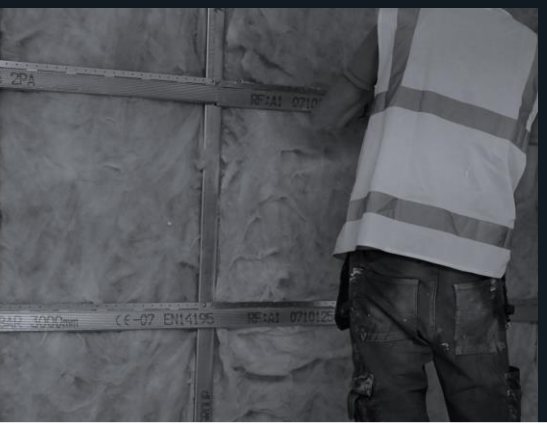
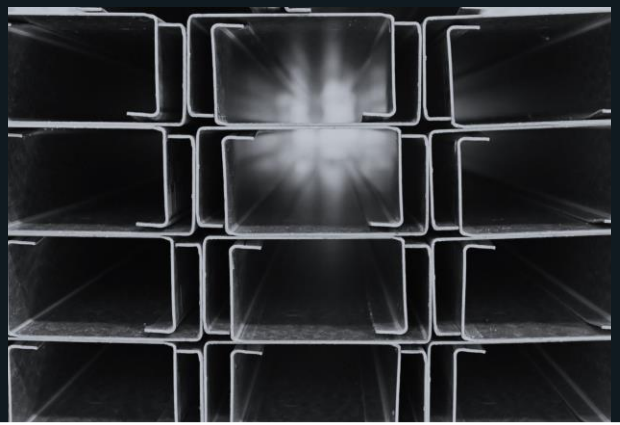





Our Hadley Construction Technology (HCT) team is here to support you. As part of our commitment to providing reliable, accurate and experienced technical services, our dedicated technical team is available to assist with project-specific queries, specifications, and on-site support.

HCT provides a variety of services to support the successful delivery of your Drylining, SFS and Frame projects:

- Assistance with technical queries relating to Hadley Drylining, SFS and Frame products, system performance and installation guidance.
- Specification support, giving advice on material selection, fire performance, acoustics, structural, and thermal requirements to meet current regulations and project needs.
- Writing project-specific specification packs upon request. Share your project details with the team, then a technical review and recommendations are provided and formal specification pack issued for approval.
- All technical recommendations provided in accordance with current British Standards, European Norms, Building Regulations and manufacturer guidelines. The HCT team operates in line with CCPI principles so that information is clear, accurate, up-to-date and trustworthy.

HCT Contact & Technical Support Information

Email : hct@hadleygroup.com
Tel : +44 (0) 121 555 1329
Open weekdays : 08:30 -17:00

"Our technical experts are building a service that's reliable"

HadleySPEC Warranty

A HadleySPEC Warranty covers the designed performance of all fully Hadley specified systems where full Hadley components or specified components have been used, and where all systems have been installed in line with Hadley recommendations, Building Regulations in relation to the project, full British Standards, and British Standard adopted European Norms.

To give the full supply chain complete confidence that by specifying Hadley Group, you have certainty over the performances achieved. HadleySPEC Warranty is a 60-year, transferable warranty and covers up to £10 million (in the aggregate) PI insurance.

For more details on Hadley Group's systems and technical services, visit: www.hadleygroup.com

HadleySPEC Fire Promise

Here at Hadley Group, safety is never compromised. We are committed to ensuring that every system we specify has been independently tested. That's why we will never endorse or recommend a system that has not be verified though a third-party UKAS accredited facility.

This uncompromising approach to fire performance reflects our dedication to transparency, compliance, and the protection of people, property and reputations.

When you choose Hadley Group you choose safe, performance backed, credible advice, every time.


HADLEY
DRYLINING

Drylining Performance Tables

HadleySOLO System Introduction

HadleySOLO is a singled stud partition system which can be comprised of Hadley C or I Studs.

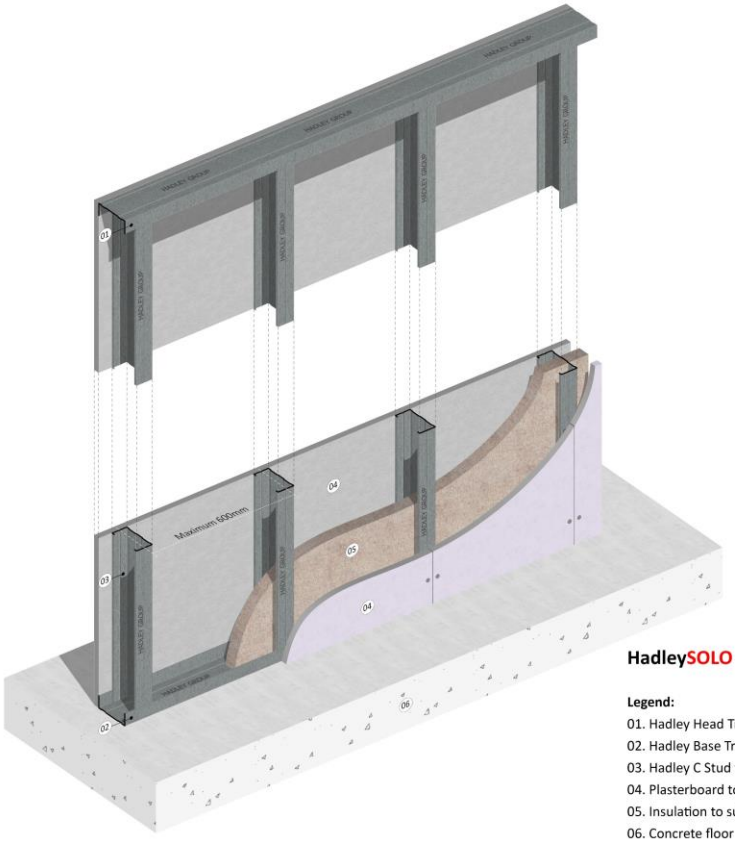
The system is lightweight, versatile and quick to erect. The studs can be snipped at ease, allowing for quick, hassle-free amendments and alterations.

Partitions widths can range from 77mm – 208mmm, providing a vast array of installation options to suit most situations.

Partition heights can range from 3m – 8m. Based on a cold state of L/240 @ 200PA.

All partitions are non-load bearing.

Our HadleySOLO system is covered by our Hadley Fire Promise and HadleySPEC Performance Warranty.



HadleySOLO - Single Layer

Legend:
01. Hadley Head Track to suit specification
02. Hadley Base Track to suit specification
03. Hadley C Stud to suit specification
04. Plasterboard to suit specification
05. Insulation to suit specification
06. Concrete floor

Fire Performance	30:30 – 120:120 minutes
Acoustic Range	35 – 62 dB Rw
Partition Widths	77m – 208mm
Partition Heights (coldstate)	3000mm – 8000mm

HadleySOLO Installation Guide

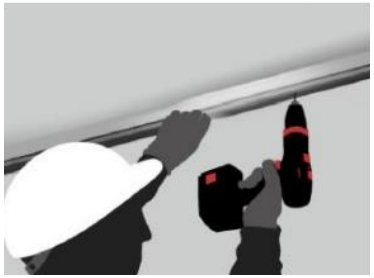
Mark the Partition Location: Mark the position of the partition on the floor, ceiling, and walls using a chalk line. Double-check measurements and ensure the partition aligns with any doors, windows, or adjacent walls.

1. Perimeter Framework

Lay the bottom Hadley track along the marked line on the floor and the top Hadley track along the ceiling, ensuring they are level and parallel. Secure the bottom Hadley track using appropriate fixings (screws or nails) to the floor slab or subfloor. Similarly, fix the top Hadley track to the ceiling structure, ensuring it is level with the bottom Hadley track. Each Hadley track should be laid in 2 continuous beads of Intumescent Sealant with the use of suitable fixings to secure the head and base track into the existing substrate. These fixings are required at a maximum 600mm centres and within 50mm of the start and end of each Hadley track.

2. Cut and Install Hadley Studs

Measure and cut the Hadley studs to the required length, ensuring they fit snugly between the top and bottom Hadley tracks. Place the Hadley studs into the Hadley tracks, spaced according to the design. Hadley C or I Studs are recommend to be placed within the Hadley track at maximum 600mm centres or less depending on the systems specifications. Hadley studs are just friction fitted into the Hadley track buy twisting them in place. There is no requirement to screw the Hadley studs into the Hadley track at the metal framework will become more secure once plasterboard has been screwed in. For heights that exceed the maximum manufacturer stud length, the Hadley studs would require to be spliced as per our recommended splicing detail. DRY-HAD-XX-ZZ-DT-X-1912



3. Install Plasterboard

Cut the plasterboard to fit the wall dimensions (height and length). Lift the plasterboard into place and align it with the Hadley studs. Plasterboard should be Screw fixed at maximum 300mm centres with centres reduced to 200mm at all corners. To ensure the best performance our systems have all been tested with the use of a continuous Intumescent and Acoustic Sealant under all abutments. All horizontal joints should be staggered by 300mm, and all vertical joints should be staggered by 600mm as far as practical.

4.Jointing

To help maintain performance we recommend all joints are taped and jointed. Apply joint compound to the joints between Plasterboard and embed joint tape into the compound. Smooth out the compound, ensuring a seamless finish. Apply additional coats of joint compound as necessary, allowing drying time between coats. Sand the joints once dry for a smooth finish.

5. Install Corner Beads (if required):

For external corners, attach corner beads using screws or adhesive. Apply joint compound over the corner beads and smooth to achieve a clean, straight corner.

Insulation (if specified): If insulation is required, install it between the Hadley studs or as noted within the specification before applying the plasterboard. Following the Insulation manufacturer's instructions

HadleySOLO C Stud - Standard Plasterboards (Wallboard)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Wallboard	1	Medium	77	-	30	35	38	38	3000	3200	3400
				2	Severe	102	-	-	44 (-3;-9)	48	48	3700	3850	4000
		15	Wallboard	1	Medium	82	-	30	37	40	41	3150	3350	3550
				2	Severe	112	-	-	50	50	51	3950	4050	4200
60	0.55	12.5	Wallboard	1	Medium	87	-	30	35	39	39	3450	3700	3900
				2	Severe	112	-	-	44 (-3;-9)	49	49	4300	4500	4650
		15	Wallboard	1	Medium	92	-	30	37	41	41	3650	3850	4050
				2	Severe	122	-	-	48	52	52	4550	4700	4850
70	0.55	12.5	Wallboard	1	Medium	92	-	30	36	39	40	3650	3950	4250
				2	Severe	122	-	-	44 (-3;-9)	50	51	4500	4700	4900
		15	Wallboard	1	Medium	102	-	30	38	42	42	4050	4300	4550
				2	Severe	132	-	-	49	53	53	4850	5050	5200
92	0.55	12.5	Wallboard	1	Medium	119	-	30	36	41	41	4700	5050	5350
				2	Severe	144	-	-	44 (-3;-9)	52	53	5600	5850	6100
		15	Wallboard	1	Medium	124	-	30	38	43	44	4900	5200	5500
				2	Severe	154	-	-	50	54	54	5900	6150	6350
146	0.55	12.5	Wallboard	1	Medium	173	-	30	39	44	44	5800	6450	7000
				2	Severe	198	-	-	44 (-3;-9)	55	55	7100	7550	7950
		15	Wallboard	1	Medium	178	-	30	41	46	46	6150	6700	7200
				2	Severe	208	-	-	52	56	56	7500	7900	8000

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HadleySOLO C Stud – Fire Performance Plasterboards (Fire Panel)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Fire Panel	1	Medium	77	-	30	37	41	41	3000	3200	3400
				2	Severe	102	-	90	47	51	51	3700	3850	4000
		15	Fire Panel	1	Heavy	82	60	-	39	43	43	3150	3350	3550
				2	Severe	112	-	90	49	53	53	3950	4050	4200
60	0.55	12.5	Fire Panel	1	Medium	87	-	30	38	41	42	3450	3700	3900
				2	Severe	112	-	90	48	52	53	4300	4500	4650
		15	Fire Panel	1	Heavy	92	60	-	40	43	44	3650	3850	4050
				2	Severe	122	-	90	50	54	54	4550	4700	4850
70	0.55	12.5	Fire Panel	1	Medium	97	-	30	38	42	42	3650	3950	4250
				2	Severe	122	-	90	49	53	54	4500	4700	4900
		15	Fire Panel	1	Heavy	102	60	-	40	44	44	4050	4300	4550
				2	Severe	132	-	90	51	55	55	4850	5050	5200
92	0.55	12.5	Fire Panel	1	Medium	119	-	30	39	44	44	4700	5050	5350
				2	Severe	144	-	90	51	55	55	5600	5850	6100
		15	Fire Panel	1	Heavy	124	60	-	41	46	46	4900	5200	5500
				2	Severe	154	-	90	52	57	57	5900	6150	6350
146	0.55	12.5	Fire Panel	1	Medium	173	-	30	42	47	47	5800	6450	7000
				2	Severe	198	-	90	53	57	57	7100	7550	7950
		15	Fire Panel	1	Heavy	178	60	-	43	49	49	6150	6700	7200
				2	Severe	208	-	90	54	58	58	7500	7900	8000

HadleySOLO C Stud - Acoustic Plasterboards (Soundshield Plus)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Soundshield Plus	1	Medium	77	30	-	39	43	43	3000	3200	3400
				2	Severe	102	-	120	50	54	55	3700	3850	4000
		15	Soundshield Plus	1	Heavy	82	-	60	41	45	45	3150	3350	3550
				2	Severe	112	-	120	52	55	56	3950	4050	4200
60	0.55	12.5	Soundshield Plus	1	Medium	87	30	-	40	44	44	3450	3700	3900
				2	Severe	112	-	120	51	56	56	4300	4500	4650
		15	Soundshield Plus	1	Heavy	92	-	60	42	46	46	3650	3850	4050
				2	Severe	122	-	120	53	56	57	4550	4700	4850
70	0.55	12.5	Soundshield Plus	1	Medium	97	30	-	41	45	45	3650	3950	4250
				2	Severe	122	-	120	52	57	57	4500	4700	4900
		15	Soundshield Plus	1	Heavy	102	-	60	39 (-2;-6)	45 (-4;-10)	47 (-3;-10)	4050	4300	4550
				2	Severe	132	-	120	49 (-3;-9)	54 (-3;-9)	54 (-2;-7)	4850	5050	5200
92	0.55	12.5	Soundshield Plus	1	Medium	119	30	-	42	47	47	4700	5050	5350
				2	Severe	144	-	120	54	58	58	5600	5850	6100
		15	Soundshield Plus	1	Heavy	124	-	60	39 (-2;-6)	45 (-4;-10)	47 (-3;-10)	4900	5200	5500
				2	Severe	154	-	120	49 (-3;-9)	54 (-3;-9)	54 (-2;-7)	5900	6150	6350
146	0.55	12.5	Soundshield Plus	1	Medium	173	30	-	45	50	50	5800	6450	7000
				2	Severe	198	-	120	56	60	60	7100	7550	7950
		15	Soundshield Plus	1	Heavy	178	-	60	39 (-2;-6)	45 (-4;-10)	47 (-3;-10)	6150	6700	7200
				2	Severe	208	-	120	49 (-3;-9)	54 (-3;-9)	54 (-2;-7)	7500	7900	8000

HadleySOLO C Stud - Performance Plasterboards (Performance Plus)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Performance Plus	1	Medium	77	30	-	39	43	43	3000	3200	3400
				2	Severe	102	-	120	50	54	55	3700	3850	4000
		15	Performance Plus	1	Heavy	82	60	60	41	45	45	3150	3350	3550
				2	Severe	112	-	120	52	55	56	3950	4050	4200
60	0.55	12.5	Performance Plus	1	Medium	87	30	-	40	44	44	3450	3700	3900
				2	Severe	112	-	120	51	56	56	4300	4500	4650
		15	Performance Plus	1	Heavy	92	60	60	42	46	46	3650	3850	4050
				2	Severe	122	-	120	53	56	57	4550	4700	4850
70	0.55	12.5	Performance Plus	1	Medium	97	30	-	41	45	45	3650	3950	4250
				2	Severe	122	-	120	52	57	57	4500	4700	4900
		15	Performance Plus	1	Heavy	102	60	60	39 (-2;-6)	45 (-4;-10)	47 (-3;-10)	4050	4300	4550
				2	Severe	132	-	120	49 (-3;-9)	54 (-3;-9)	54 (-2;-7)	4850	5050	5200
92	0.55	12.5	Performance Plus	1	Medium	119	30	-	42	47	47	4700	5050	5350
				2	Severe	144	-	120	54	58	58	5600	5850	6100
		15	Performance Plus	1	Heavy	124	60	60	39 (-2;-6)	45 (-4;-10)	47 (-3;-10)	4900	5200	5500
				2	Severe	154	-	120	49 (-3;-9)	54 (-3;-9)	54 (-2;-7)	5900	6150	6350
146	0.55	12.5	Performance Plus	1	Medium	173	30	-	45	50	50	5800	6450	7000
				2	Severe	198	-	120	56	60	60	7100	7550	7950
		15	Performance Plus	1	Heavy	178	60	60	39 (-2;-6)	45 (-4;-10)	47 (-3;-10)	6150	6700	7200
				2	Severe	208	-	120	49 (-3;-9)	54 (-3;-9)	54 (-2;-7)	7500	7900	8000

HadleySOLO C Stud - Standard Plasterboards (Standard Board)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Standard Board	1	Medium	77	30	-	36	38	39	3000	3200	3400
				2	Severe	102	-	60	45	48	48	3700	3850	4000
		15	Standard Board	1	Heavy	82	30	-	38	41	41	3150	3350	3550
				2	Severe	112	-	60	47	51	52	3950	4050	4200
60	0.55	12.5	Standard Board	1	Medium	87	30	-	39	39	44	3450	3700	3900
				2	Severe	112	-	60	46	50	50	4300	4500	4650
		15	Standard Board	1	Heavy	92	30	-	38	42	42	3650	3850	4050
				2	Severe	122	-	60	49	53	53	4550	4700	4850
70	0.55	12.5	Standard Board	1	Medium	97	30	-	37	39	39	3650	3950	4250
				2	Severe	122	-	60	47	51	51	4500	4700	4900
		15	Standard Board	1	Heavy	102	30	-	39	42	43	4050	4300	4550
				2	Severe	132	-	60	50	54	54	4850	5050	5200
92	0.55	12.5	Standard Board	1	Medium	119	30	-	38	41	41	4700	5050	5350
				2	Severe	144	-	60	49	53	53	5600	5850	6100
		15	Standard Board	1	Heavy	124	30	-	40	44	44	4900	5200	5500
				2	Severe	154	-	60	51	56	56	5900	6150	6350
146	0.55	12.5	Standard Board	1	Medium	173	30	-	40	44	45	5800	6450	7000
				2	Severe	198	-	60	51	56	56	7100	7550	7950
		15	Standard Board	1	Heavy	178	30	-	43	47	48	6150	6700	7200
				2	Severe	208	-	60	53	58	58	7500	7900	8000

HadleySOLO C Stud – Fire Performance Plasterboards (Fire Board)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Fire Board	1	Medium	77	30	-	37	41	41	3000	3200	3400
				2	Severe	102	-	120	47	51	52	3700	3850	4000
		15	Fire Board	1	Heavy	82	60	-	40	43	43	3150	3350	3550
				2	Severe	112	-	120	50	54	54	3950	4050	4200
60	0.55	12.5	Fire Board	1	Medium	87	30	-	38	42	42	3450	3700	3900
				2	Severe	112	-	120	48	53	53	4300	4500	4650
		15	Fire Board	1	Heavy	92	60	-	40	44	44	3650	3850	4050
				2	Severe	122	-	120	51	55	55	4550	4700	4850
70	0.55	12.5	Fire Board	1	Medium	97	30	-	38	42	42	3650	3950	4250
				2	Severe	122	-	120	49	54	54	4500	4700	4900
		15	Fire Board	1	Heavy	102	60	-	41	45	46	4050	4300	4550
				2	Severe	132	-	120	52	56	56	4850	5050	5200
92	0.55	12.5	Fire Board	1	Medium	119	30	-	39	44	44	4700	5050	5350
				2	Severe	144	-	120	51	56	56	5600	5850	6100
		15	Fire Board	1	Heavy	124	60	-	42	46	47	4900	5200	5500
				2	Severe	154	-	120	53	57	57	5900	6150	6350
146	0.55	12.5	Fire Board	1	Medium	173	30	-	42	47	48	5800	6450	7000
				2	Severe	198	-	120	53	58	58	7100	7550	7950
		15	Fire Board	1	Heavy	178	60	-	44	49	49	6150	6700	7200
				2	Severe	208	-	120	55	59	59	7500	7900	8000

HadleySOLO C Stud - Acoustic Plasterboards (dB Board)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	dB Board	1	Medium	77	-	30	39	42	42	3000	3200	3400
				2	Severe	102	-	60	49	52	53	3700	3850	4000
		15	dB Board	1	Medium	82	60	30	40	44	44	3150	3350	3550
				2	Severe	112	-	90	51	54	55	3950	4050	4200
60	0.55	12.5	dB Board	1	Medium	87	-	30	39	43	43	3450	3700	3900
				2	Severe	112	-	60	50	54	54	4300	4500	4650
		15	dB Board	1	Medium	92	60	30	41	45	45	3650	3850	4050
				2	Severe	122	-	90	52	56	56	4550	4700	4850
70	0.55	12.5	dB Board	1	Medium	97	-	30	38 (-2;-7)	44	44	3650	3950	4250
				2	Severe	122	-	60	54	55	56	4500	4700	4900
		15	dB Board	1	Medium	102	60	30	40 (-2;-6)	44 (-3;-9)	46	4050	4300	4550
				2	Severe	132	-	90	48 (-3;-9)	53 (-3;-10)	57	4850	5050	5200
92	0.55	12.5	dB Board	1	Medium	119	-	30	38 (-2;-7)	45	45	4700	5050	5350
				2	Severe	144	-	60	52	56	56	5600	5850	6100
		15	dB Board	1	Medium	124	60	30	40 (-2;-6)	44 (-3;-9)	47	4900	5200	5500
				2	Severe	154	-	90	48 (-3;-9)	53 (-3;-10)	58	5900	6150	6350
146	0.55	12.5	dB Board	1	Medium	173	-	30	38 (-2;-7)	48	48	5800	6450	7000
				2	Severe	198	-	60	54	58	58	7100	7550	7950
		15	dB Board	1	Medium	178	60	30	40 (-2;-6)	44 (-3;-9)	50	6150	6700	7200
				2	Severe	208	-	90	48 (-3;-9)	53 (-3;-10)	59	7500	7900	8000

HadleySOLO C Stud - Performance Plasterboards (MegaDeco)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	MegaDeco	1	Medium	77	-	-	39	42	42	3000	3200	3400
				2	Severe	102	-	-	49	52	53	3700	3850	4000
		15	MegaDeco	1	Heavy	82	60	-	40	44	44	3150	3350	3550
				2	Severe	112	60	-	51	54	55	3950	4050	4200
60	0.55	12.5	MegaDeco	1	Medium	87	-	-	39	43	43	3450	3700	3900
				2	Severe	112	-	-	50	54	54	4300	4500	4650
		15	MegaDeco	1	Heavy	92	60	-	41	45	45	3650	3850	4050
				2	Severe	122	60	-	52	56	56	4550	4700	4850
70	0.55	12.5	MegaDeco	1	Medium	97	-	-	39	44	44	3650	3950	4250
				2	Severe	122	-	-	51	55	55	4500	4700	4900
		15	MegaDeco	1	Heavy	102	60	-	41	46	46	4050	4300	4550
				2	Severe	132	60	-	52	56	57	4850	5050	5200
92	0.55	12.5	MegaDeco	1	Medium	119	-	-	41	45	45	4700	5050	5350
				2	Severe	144	-	-	52	56	56	5600	5850	6100
		15	MegaDeco	1	Heavy	124	60	-	43	47	48	4900	5200	5500
				2	Severe	154	60	-	54	58	58	5900	6150	6350
146	0.55	12.5	MegaDeco	1	Medium	173	-	-	43	48	48	5800	6450	7000
				2	Severe	198	-	-	54	58	58	7100	7550	7950
		15	MegaDeco	1	Heavy	178	60	-	45	50	50	6150	6700	7200
				2	Severe	208	60	-	55	59	59	7500	7900	8000

HadleySOLO C Stud - Performance Plasterboards (Universal Board)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Universal Board	2	Severe	102	-	90	49	52	53	3700	3850	4000
60	0.55	12.5	Universal Board	2	Severe	112	-	90	50	54	54	4300	4500	4650
70	0.55	12.5	Universal Board	2	Severe	122	-	90	51	55	55	4500	4700	4900
92	0.55	12.5	Universal Board	2	Severe	144	-	90	52	56	56	5600	5850	6100
146	0.55	12.5	Universal Board	2	Severe	198	-	90	54	58	58	7100	7550	7950

HadleySOLO C Stud - Standard Plasterboards (Wallboard)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Wallboard	1	Medium	77	30	-	35 (-2;-7)	40 (-4;-10)	40 (-4;-10)	3000	3200	3400
				2	Severe	102	-	60	42 (-4;-10)	47 (-3;-10)	48	3700	3850	4000
		15	Wallboard	1	Medium	82	30	-	37	40	40	3150	3350	3550
				2	Severe	112	-	60	47	52	52	3950	4050	4200
60	0.55	12.5	Wallboard	1	Medium	87	30	-	35	38	38	3450	3700	3900
				2	Severe	112	-	60	42 (-4;-10)	47 (-3;-10)	50	4300	4500	4650
		15	Wallboard	1	Medium	92	30	-	37	40	40	3650	3850	4050
				2	Severe	122	-	60	48	53	53	4550	4700	4850
70	0.55	12.5	Wallboard	1	Medium	97	30	-	36 (-3;-9)	42 (-3;-10)	42 (-3;-10)	3650	3950	4250
				2	Severe	122	-	60	45 (-2;-8)	50 (-3;-9)	51	4500	4700	4900
		15	Wallboard	1	Medium	102	30	-	38	42	42	4050	4300	4550
				2	Severe	132	-	60	49	54	54	4850	5050	5200
92	0.55	12.5	Wallboard	1	Medium	119	30	-	37 (-3;-10)	42 (-4;-11)	42 (-4;-11)	4700	5050	5350
				2	Severe	144	-	60	45 (-2;-8)	50 (-3;-9)	53	5600	5850	6100
		15	Wallboard	1	Medium	124	30	-	39	42	42	4900	5200	5500
				2	Severe	154	-	60	51	56	56	5900	6150	6350
146	0.55	12.5	Wallboard	1	Medium	173	30	-	41 (-2;-6)	45 (-3;-8)	45 (-3;-8)	5800	6450	7000
				2	Severe	198	-	60	49 (-2;-5)	50 (-2;-6)	55	7100	7550	7950
		15	Wallboard	1	Medium	178	30	30	41	44	44	6150	6700	7200
				2	Severe	208	-	60	53	58	58	7500	7900	8000

HadleySOLO C Stud – Fire Performance Plasterboards (Fireline)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	FireLine	1	Medium	77	30	-	37	42 (-3;-10)	42 (-5;-12)	3000	3200	3400
				2	Severe	102	-	120	45 (-3;-9)	52 (-3;-10)	51	3700	3850	4000
		15	FireLine	1	Heavy	82	60	-	38 (-3;-8)	41 (-3;-9)	41 (-3;-9)	3150	3350	3550
				2	Severe	112	-	120	45 (-3;-10)	54	54	3950	4050	4200
60	0.55	12.5	FireLine	1	Medium	87	30	-	37	42 (-3;-10)	42 (-5;-12)	3450	3700	3900
				2	Severe	112	-	120	45 (-3;-9)	52 (-3;-10)	53	4300	4500	4650
		15	FireLine	1	Heavy	92	60	-	38 (-3;-8)	41 (-3;-9)	41 (-3;-9)	3650	3850	4050
				2	Severe	122	-	120	45 (-3;-10)	55	55	4550	4700	4850
70	0.55	12.5	FireLine	1	Medium	92	30	-	38	43 (-4;-11)	43 (-4;-11)	3650	3950	4250
				2	Severe	122	-	120	47 (-3;-9)	52 (-3;-8)	54	4500	4700	4900
		15	FireLine	1	Heavy	102	60	-	41 (-3;-10)	44 (-3;-9)	44 (-3;-9)	4050	4300	4550
				2	Severe	132	-	120	48 (-3;-9)	50 (-4;-11)	50 (-2;-9)	4850	5050	5200
92	0.55	12.5	FireLine	1	Medium	119	30	-	39	43 (-4;-10)	43 (-4;-10)	4700	5050	5350
				2	Severe	144	-	120	47 (-3;-9)	52 (-3;-8)	56	5600	5850	6100
		15	FireLine	1	Heavy	124	60	60	41	44	44	4900	5200	5500
				2	Severe	154	-	120	50 (-2;-7)	52 (-2;-8)	53 (-2;-7)	5900	6150	6350
146	0.55	12.5	FireLine	1	Medium	173	30	-	41	43 (-4;-10)	43 (-4;-10)	5800	6450	7000
				2	Severe	198	-	120	49 (-2;-5)	52 (-3;-8)	58	7100	7550	7950
		15	FireLine	1	Heavy	178	60	60	43	45	45	6150	6700	7200
				2	Severe	208	-	120	50 (-2;-7)	52 (-2;-8)	53 (-2;-7)	7500	7900	8000

HadleySOLO C Stud - Acoustic Plasterboards (SoundBloc)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Soundbloc	1	Medium	77	30	-	38 (-3;-9)	44 (-4;-11)	44 (-4;-11)	3000	3200	3400
				2	Severe	102	30	-	46 (-3;-9)	53 (-2,-8)	52	3700	3850	4000
		15	Soundbloc	1	Heavy	82	60	60	40 (-2;-9)	44 (-3;-10)	47 (-4;-11)	3150	3350	3550
				2	Severe	112	-	120	49 (-3,-9)	53 (-3;-10)	54 (-2;-8)	3950	4050	4200
60	0.55	12.5	Soundbloc	1	Medium	87	30	-	38 (-3;-9)	44 (-4;-11)	44 (-4;-11)	3450	3700	3900
				2	Severe	112	30	-	46 (-3;-9)	53 (-2,-8)	53	4300	4500	4650
		15	Soundbloc	1	Heavy	92	60	60	40 (-2;-9)	44 (-3;-10)	47 (-4;-11)	3650	3850	4050
				2	Severe	122	-	120	49 (-3,-9)	53 (-3;-10)	54 (-2;-8)	4550	4700	4850
70	0.55	12.5	Soundbloc	1	Medium	97	30	-	40 (-2;-8)	46 (-4;-10)	46 (-4;-10)	3650	3950	4250
				2	Severe	122	30	-	50 (-2;-7)	54 (-2;-7)	54 (-2;-7)	4500	4700	4900
		15	Soundbloc	1	Heavy	102	60	60	42 (-4;-11)	47 (-4;-11)	51 (-4;-11)	4050	4300	4550
				2	Severe	132	-	120	51 (-3;-8)	57 (-4;-10)	59 (-3;-9)	4850	5050	5200
92	0.55	12.5	Soundbloc	1	Medium	119	30	-	43 (-2;-8)	42	50 (-3;-8)	4700	5050	5350
				2	Severe	144	30	-	51 (-2;-7)	54 (-2;-7)	56	5600	5850	6100
		15	Soundbloc	1	Heavy	124	60	60	42	47	47	4900	5200	5500
				2	Severe	154	-	120	51 (-3;-8)	57 (-4;-10)	59 (-3;-9)	5900	6150	6350
146	0.55	12.5	Soundbloc	1	Medium	173	30	-	43 (-2;-8)	43	50 (-3;-8)	5800	6450	7000
				2	Severe	198	30	-	53 (-2;-6)	55 (-2;-6)	57	7100	7550	7950
		15	Soundbloc	1	Heavy	178	60	60	42	45	45	6150	6700	7200
				2	Severe	208	-	120	58 (-2;-7)	60 (-3;-8)	59 (-3;-9)	7500	7900	8000

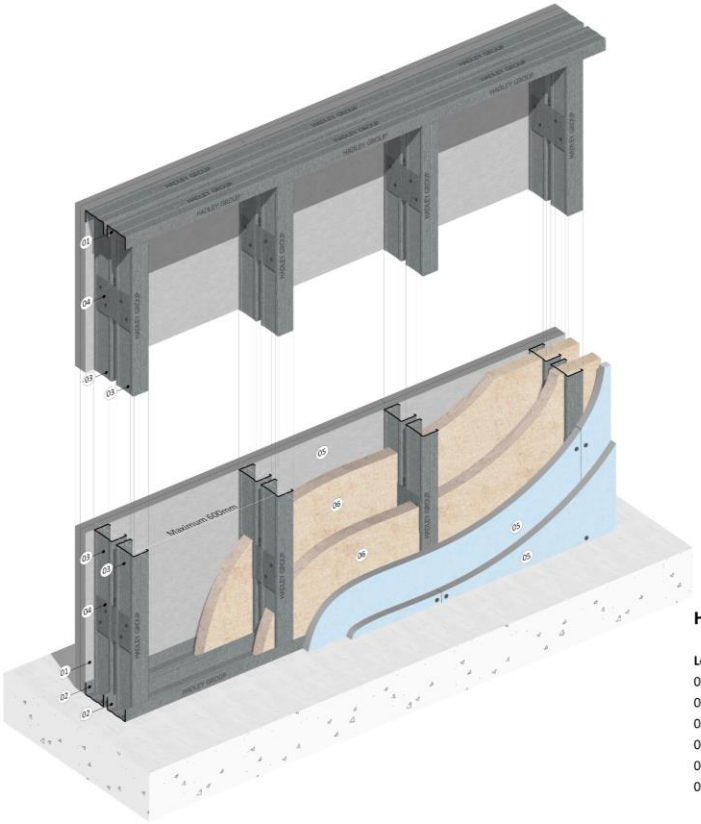
HadleySOLO C Stud - Performance Plasterboards (MegaDeco)

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	15	Duraline	1	Heavy	82	-	60	40 (-3;-10)	43 (-3;-10)	45 (-5;-12)	3150	3350	3550
			Duraline	2	Severe	112	-	60	53	53	57	4050	4200	4050
60	0.55	15	Duraline	1	Heavy	92	-	60	40 (-3;-10)	43 (-3;-10)	45 (-5;-12)	3850	4050	3850
			Duraline	2	Severe	122	-	60	54	54	59	4700	4850	4700
70	0.55	15	Duraline	1	Heavy	102	-	60	43 (-3,-11)	49 (-4;-10)	49 (-4;-10)	4050	4300	4550
			Duraline	2	Severe	132	-	60	55	55	59	4850	5050	5200
92	0.55	15	Duraline	1	Heavy	124	-	60	43 (-3,-11)	49 (-4;-10)	49 (-4;-10)	4900	5200	5500
			Duraline	2	Severe	154	-	60	56	56	61	5900	6150	6350
146	0.55	15	Duraline	1	Heavy	178	-	60	48	53	53	6150	6700	7200
			Duraline	2	Severe	208	-	60	58	58	62	7500	7900	8000

HADLEY
GROUP

HadleyBRACE System Introduction

HadleyBRACE is a perfect solution for achieving higher acoustic and fire specification with increased span heights.
The system is commonly used in high performance applications where the greatest acoustic resistance is required. Examples consist of residential spaces (corridors, or party walls) and performing art studios.
Partition maximum height is 6.2m.
Based on a cold state of L/240 @ 200PA.
All partitions are non-load bearing.
Our HadleyBRACE system is covered by our Hadley Fire Promise and HadleySPEC Performance Warranty.



HadleyBRACE System

Legend:
01. Hadley Head Track to suit specification
02. Hadley Base Track to suit specification
03. Hadley C Stud to suit specification
04. Hadley Brace at 1200mm vertical centres fixed to each stud
05. Plasterboard to suit specification
06. Insulation to suit specification

Fire Performance	60:60 – 120:120 minutes
Acoustic Range	59 – 66 dB Rw
Partition Widths	Nom. 200mm
Partition Heights (coldstate)	6200mm

HadleyBRACE Installation Guide

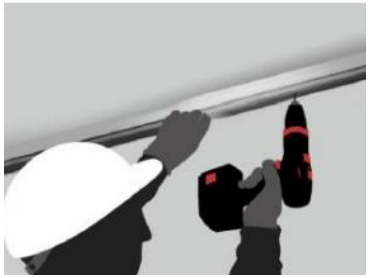
Mark the Partition Location: Mark the position of the partition on the floor, ceiling, and walls using a chalk line. Double-check measurements and ensure the partition aligns with any doors, windows, or adjacent walls.

1. Perimeter Framework

Lay the bottom Hadley track along the marked line on the floor and the top Hadley track along the ceiling, ensuring they are level and parallel. Secure the bottom Hadley track using appropriate fixings (screws or nails) to the floor slab or subfloor. Similarly, fix the top Hadley track to the ceiling structure, ensuring it is level with the bottom Hadley track. Each Hadley track should be laid in 2 continuous beads of Intumescent Sealant with the use of suitable fixings to secure the head and base track into the existing substrate. These fixings are required at a maximum 600mm centres and within 50mm of the start and end of each Hadley track.

2. Cut and Install Hadley Studs

Measure and cut the Hadley C studs to the required length, ensuring they fit snugly between the top and bottom Hadley tracks. Place the Hadley C studs into the Hadley tracks, spaced according to the design. Hadley C or I Studs are recommend to be placed within the Hadley track at maximum 600mm centres or less depending on the systems specifications. Hadley studs are just friction fitted into the Hadley track buy twisting them in place. For Bracing we recommend the use of Hadley Flat Strap at 1200mm vertical centres fixed to each stud using 2 waferhead drywall screws to each stud as per detail number DRY-HAD-XXZZ-DT-X-0601. There is no requirement to screw the Hadley C Studs into the Hadley track at the metal framework will become more secure once plasterboard has been screwed in.



3. Install Plasterboard

Cut the plasterboard to fit the wall dimensions (height and length). Lift the plasterboard into place and align it with the Hadley studs. Plasterboard should be Screw fixed at maximum 300mm centres with centres reduced to 200mm at all corners. To ensure the best performance our systems have all been tested with the use of a continuous Intumescent and Acoustic Sealant under all abutments. All horizontal joints should be staggered by 300mm, and all vertical joints should be staggered by 600mm as far as practical.

4.Jointing

To help maintain performance we recommend all joints are taped and jointed. Apply joint compound to the joints between Plasterboard and embed joint tape into the compound. Smooth out the compound, ensuring a seamless finish. Apply additional coats of joint compound as necessary, allowing drying time between coats. Sand the joints once dry for a smooth finish.

5. Install Corner Beads (if required):

For external corners, attach corner beads using screws or adhesive. Apply joint compound over the corner beads and smooth to achieve a clean, straight corner.

Insulation (if specified): If insulation is required, install it between the Hadley studs or as noted within the specification before applying the plasterboard.
Following the Insulation manufacturer's instructions

HadleyBRACE C Stud

Double Plasterboard Layers - Soundshield Plus, Firepanel & Performance Plus

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa
							BS 476	BS EN 1364	2 x 25mm	2 x 50mm	2 x 50mm + 100mm	600mm centres
50	0.55	12.5	Soundshield Plus	2	Severe	Nom. 200	90	-	65	66	-	4000
50	0.55	15	Soundshield Plus	2	Severe	Nom. 200	-	120	61 (-3;-10)	62 (-3;-9)	63 (-2;-7)	6200
50	0.55	12.5	Firepanel	2	Severe	Nom. 200	-	-	62	63	-	4000
50	0.55	15	Firepanel	2	Severe	Nom. 200	-	-	64	65	-	6200
50	0.55	15	Performance Plus	2	Severe	Nom. 200	-	-	67	68	-	6200

HadleyBRACE C Stud

Double Plasterboard Layers - dB Board, Fireboard & Megadeco

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa
							BS 476	BS EN 1364	2 x 25mm	2 x 50mm	2 x 50mm + 100mm	600mm centres
50	0.55	12.5	dB Board	2	Severe	Nom. 200	-	-	64	65	-	4000
50	0.55	15	dB Board	2	Severe	Nom. 200	-	90	61 (-3;-10)	61 (-2;-7)	66 (-2;-8)	6200
50	0.55	12.5	Fireboard	2	Severe	Nom. 200		-	62	63	-	4000
50	0.55	15	Fireboard	2	Severe	Nom. 200	-	120	65	61 (-3;-8)	-	6200
50	0.55	15	Megadeco	2	Severe	Nom. 200	-	-	66	67	-	6200

HadleyBRACE C Stud

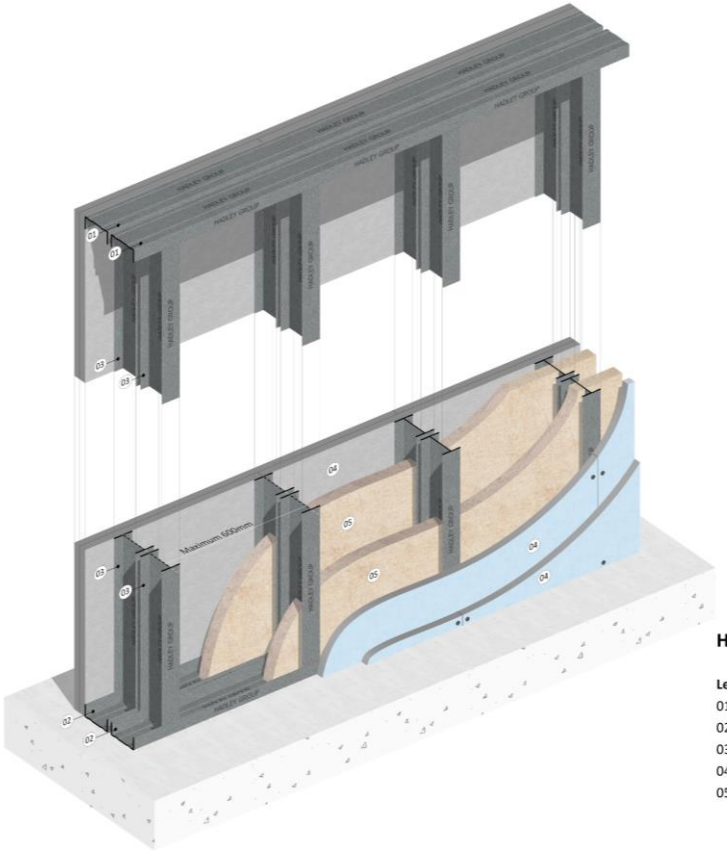
Double Plasterboard Layers - Soundbloc, FireLine & DuraLine

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres
50	0.55	12.5	Soundbloc	2	Severe	Nom. 200	-	60	62	63 (-2;-8)	-	4000
50	0.55	15	Soundbloc	2	Severe	Nom. 200	120	-	67 (-3;-8)	69 (-3;-9)	-	6200
50	0.55	12.5	FireLine	2	Severe	Nom. 200	-	-	59 (-4;-10)	63	-	4000
50	0.55	15	FireLine	2	Severe	Nom. 200	-	-	65	66	-	6200
70	0.55	15	DuraLine	2	Severe	Nom. 200	120	-	67	69	-	6200

HADLEY
GROUP

HadleyDUO System Introduction

HadleyDUO mirrors the Brace system but with the incorporation of Hadley I studs, making it a great alternative for higher spans.
Like the HadleyBRACE system, this system offers superior acoustic resistance, as well as fire resistance up to 120 minutes.
Partition heights range from 2.9m – 8m. Based on a cold state of L/240 @ 200PA.
All partitions are non-load bearing.
Our HadleyDUO system is covered by our Hadley Fire Promise and HadleySPEC Performance Warranty.



HadleyDUO System

Legend:
01. Hadley Head Track to suit specification
02. Hadley Base Track to suit specification
03. Hadley I Stud to suit specification
04. Plasterboard to suit specification
05. Insulation to suit specification

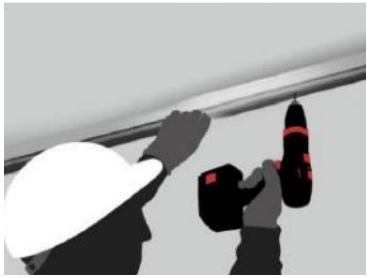
Fire Performance	60:60 – 120:120 minutes
Acoustic Range	64 – 69 dB Rw
Partition Widths	Nom. 200mm
Partition Heights (coldstate)	2900mm – 3650mm

HadleyDUO Installation Guide

Mark the Partition Location: Mark the position of the partition on the floor, ceiling, and walls using a chalk line. Double-check measurements and ensure the partition aligns with any doors, windows, or adjacent walls.

1. Perimeter Framework

Lay the twin bottom Hadley tracks along the marked line on the floor and the top Hadley tracks along the ceiling, ensuring they are level and parallel. Secure the bottom Hadley tracks using appropriate fixings (screws or nails) to the floor slab or subfloor. Similarly, fix the top Hadley tracks to the ceiling structure, ensuring it is level with the bottom Hadley track. The Hadley tracks should be laid in 2 continuous beads of Intumescent Sealant with the use of suitable fixings to secure the head and base track into the existing substrate. These fixings are required at a maximum 600mm centres and within 50mm of the start and end of each Hadley track.



2. Cut and Install Hadley Studs

Measure and cut the Hadley I studs to the required length, ensuring they fit snugly between the top and bottom Hadley tracks. Place the Hadley I studs into the Hadley tracks, spaced according to the design. Hadley I Studs are recommend to be placed within the Hadley track at maximum 600mm centres or less depending on the systems specifications. Hadley studs are just friction fitted into the Hadley track buy twisting them in place. There is no requirement to screw the Hadley I Studs into the Hadley track at the metal framework will become more secure once plasterboard has been screwed in. For heights that exceed the maximum manufacturer stud length, the Hadley I Studs would require to be spliced as per our recommended splicing detail. DRY-HAD-XX-ZZ-DT-X-1912

3. Install Plasterboard

Cut the plasterboard to fit the wall dimensions (height and length). Lift the plasterboard into place and align it with the Hadley studs. Plasterboard should be Screw fixed at maximum 300mm centres with centres reduced to 200mm at all corners. To ensure the best performance our systems have all been tested with the use of a continuous Intumescent and Acoustic Sealant under all abutments. All horizontal joints should be staggered by 300mm, and all vertical joints should be staggered by 600mm as far as practical.

4.Jointing

To help maintain performance we recommend all joints are taped and jointed. Apply joint compound to the joints between Plasterboard and embed joint tape into the compound. Smooth out the compound, ensuring a seamless finish. Apply additional coats of joint compound as necessary, allowing drying time between coats. Sand the joints once dry for a smooth finish.

5. Install Corner Beads (if required):

For external corners, attach corner beads using screws or adhesive. Apply joint compound over the corner beads and smooth to achieve a clean, straight corner.

Insulation (if specified): If insulation is required, install it between the Hadley studs or as noted within the specification before applying the plasterboard. Following the Insulation manufacturer's instructions

HadleyDUO I Stud

Double Plasterboard Layers - Soundshield Plus

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	2 x 25mm	2 x 50mm	2 x 50mm + 100mm	600mm centres	400mm centres	300mm centres
50	0.55	15	Soundshield Plus	2	Severe	Nom. 200	120	-	64 (-3;-9)	67 (-3;-8)	68 (-2;-7)	2900	3350	3650

HadleyBRACE C Stud

Double Plasterboard Layers - dB Board & Fireboard

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	2 x 25mm	2 x 50mm	2 x 50mm + 100mm	600mm centres	400mm centres	300mm centres
50	0.55	15	dB Board	2	Severe	Nom. 200	90	-	64 (-2;-8)	66 (-2;-8)	68 (-2;-7)	2900	3350	3650
50	0.55	15	Fireboard	2	Severe	Nom. 200	-	120	-	63 (-1;-6)	-	2900	3350	3650

HadleyBRACE C Stud

Double Plasterboard Layers - Soundbloc & DuraLine

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
50	0.55	12.5	Soundbloc	2	Severe	Nom. 200	-	60	-	65 (-2;-7)	-	2900	3350	3650
50	0.55	15	Soundbloc	2	Severe	Nom. 200	120	-	67 (-3;-8)	69 (-3;-9)	-	2900	3350	3650
50	0.55	15	DuraLine	2	Severe	Nom. 200	120					2900	3350	3650

HADLEY
GROUP

HadleyHUSH System Introduction

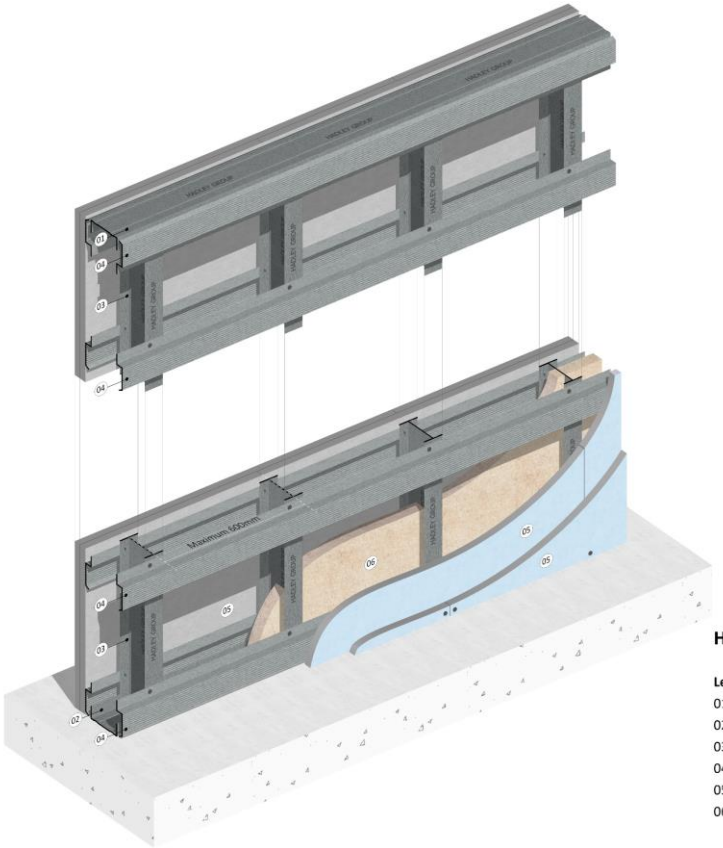
HadleyHUSH is a viable consideration when you are short on space and need to increase acoustics and fire performance specifications. The system is a HadleySOLO, with the incorporation of a Hadley resilient bar to one or both sides.

The Hadley resilient bar enhances the acoustic resistance as it creates an additional layer of separation.

Partition heights range from 3.2m – 4.9m. Based on a cold state of L/240 @ 200PA.

All partitions are non-load bearing.

Our HadleyHUSH system is covered by our Hadley Fire Promise and HadleySPEC Performance Warranty.



HadleyHUSH System

Legend:
01. Hadley Head Track to suit specification
02. Hadley Base Track to suit specification
03. Hadley I Stud to suit specification
04. Horizontal Hadley Resilient Bar
05. Plasterboard to suit specification
06. Insulation to suit specification

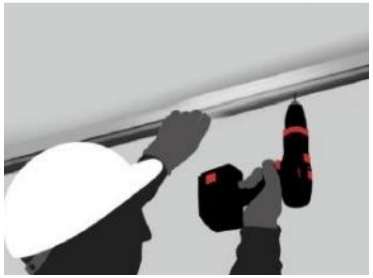
Fire Performance	60:60 – 120:120 minutes
Acoustic Range	52 – 63 dB Rw
Partition Widths	137mm – 162mm
Partition Heights (coldstate)	3200mm – 4900mm

HadleyHUSH Installation Guide

Mark the Partition Location: Mark the position of the partition on the floor, ceiling, and walls using a chalk line. Double-check measurements and ensure the partition aligns with any doors, windows, or adjacent walls.

1. Perimeter Framework

Lay the bottom Hadley track along the marked line on the floor and the top Hadley track along the ceiling, ensuring they are level and parallel. Secure the bottom Hadley track using appropriate fixings (screws or nails) to the floor slab or subfloor. Similarly, fix the top Hadley track to the ceiling structure, ensuring it is level with the bottom Hadley track. Each Hadley track should be laid in 2 continuous beads of Intumescent Sealant with the use of suitable fixings to secure the head and base track into the existing substrate. These fixings are required at a maximum 600mm centres and within 50mm of the start and end of each Hadley track.



2. Cut and Install Hadley Studs

Measure and cut the Hadley studs to the required length, ensuring they fit snugly between the top and bottom Hadley tracks. Place the Hadley studs into the Hadley tracks, spaced according to the design. Hadley C or I Studs are recommend to be placed within the Hadley track at maximum 600mm centres or less depending on the systems specifications. Hadley studs are just friction fitted into the Hadley track buy twisting them in place. There is no requirement to screw the Hadley Studs into the Hadley track at the metal framework will become more secure once plasterboard has been screwed in. Fix Hadley Resilient Bars across the whole length of the system at maximum 600mm vertical centres and at all perimeters of the wall. Fixing to each stud with wafer head screws.

3. Install Plasterboard

Cut the plasterboard to fit the wall dimensions (height and length). Lift the plasterboard into place and align it with the Hadley studs. Plasterboard should be Screw fixed at maximum 300mm centres with centres reduced to 200mm at all corners. Ensure that fixings are not fixed into the Hadley Studs and only into the resilient bars. Failure to do so will reduce the systems acoustic performance. To ensure the best performance our systems have all been tested with the use of a continuous Intumescent and Acoustic Sealant under all abutments. All horizontal joints should be staggered by 300mm, and all vertical joints should be staggered by 600mm as far as practical.

4.Jointing

To help maintain performance we recommend all joints are taped and jointed. Apply joint compound to the joints between Plasterboard and embed joint tape into the compound. Smooth out the compound, ensuring a seamless finish. Apply additional coats of joint compound as necessary, allowing drying time between coats. Sand the joints once dry for a smooth finish.

5. Install Corner Beads (if required):

For external corners, attach corner beads using screws or adhesive. Apply joint compound over the corner beads and smooth to achieve a clean, straight corner.

HadleyHUSH C Stud with Resilient Bars

Double Plasterboard Layers - Soundshield Plus

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	Res Bar No.	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
70	0.55	12.5	Soundshield Plus	1 Side Res Bar	Severe	137	-	-	54	60	60	4100	4400	4700
				2 Side Res Bar	Severe	152	-	-	-	-	61 (-4;-11)	3200	3600	4000
		15	Soundshield Plus	1 Side Res Bar	Severe	147	-	-	56	61	62	4400	4700	4900

HadleyHUSH C Stud with Resilient Bars

Double Plasterboard Layers - dB Board

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	Res Bar No.	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
70	0.55	12.5	dB Board	1 Side Res Bar	Severe	137	-	60	53	58	58	4100	4400	4700
				2 Side Res Bar	Severe	152	-	-	-	-	61 (-4;-12)	3200	3600	4000
		15	dB Board	1 Side Res Bar	Severe	147	-	60	55	60	61	4400	4700	4900

HadleyHUSH C Stud with Resilient Bars

Double Plasterboard Layers - Soundbloc & DuraLine

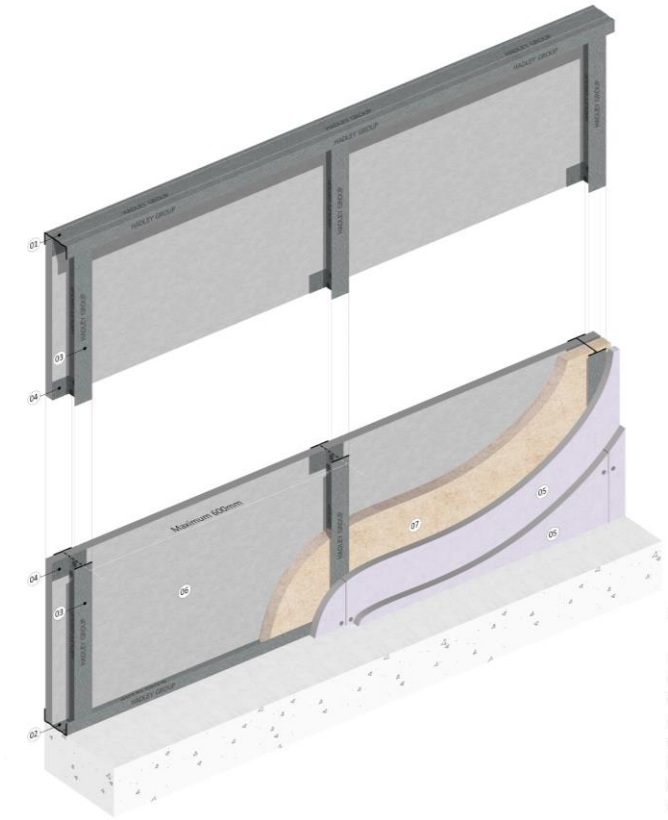
Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	Res Bar No.	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
70	0.55	12.5	Soundbloc	1 Side Res Bar	Severe	137	-	60	52	57	57 (-2;-7)	4100	4400	4700
				2 Side Res Bar	Severe	152	-	-	-	-	62 (-5;-12)	3200	3600	4000
		15	Soundbloc	1 Side Res Bar	Severe	147	-	60	54	60	59 (-3;-9)	4400	4700	4900
				2 Side Res Bar	Severe	162	-	120	-	-	63 (-2;-7)	3200	3600	4000

HADLEY
GROUP

HadleySHAFT System Introduction

HadleySHAFT is our solution for enclosing shafts with bi-directional fire compartmentation performance. The unique design allows for one-sided installation, which lowers the need for additional tools and equipment (to construct from the riser side) and reduces risk of injury. Partition heights range from 4.6m – 8m. Based on a cold state of L/240 @ 200PA.

All partitions are non-load bearing. Our HadleySHAFT system is covered by our Hadley Fire Promise and HadleySPEC Performance Warranty.



HadleySHAFT System

Legend:

01. Hadley Head Track to suit specification
02. Hadley Base Track to suit specification
03. Hadley I Stud to suit specification
04. Hadley Shaftwall Bracket, tight to Core Board
05. Plasterboard to suit specification
06. 19mm Core Board to suit specification
07. Insulation to suit specification

Fire Performance	60:60 – 120:120 minutes
Acoustic Range	42 – 52 dB Rw
Partition Widths	87m – 193mm
Partition Heights (coldstate)	4600mm – 8000mm

HadleySHAFT Installation Guide

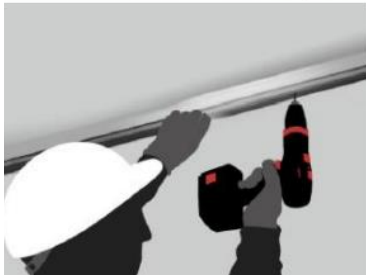
Mark the Partition Location: Mark the position of the partition on the floor, ceiling, and walls using a chalk line. Double-check measurements and ensure the partition aligns with any doors, windows, or adjacent walls.

1. Perimeter Framework

Lay the bottom Hadley track along the marked line on the floor and the top Hadley track along the ceiling, ensuring they are level and parallel. Secure the bottom Hadley track using appropriate fixings (screws or nails) to the floor slab or subfloor. Similarly, fix the top Hadley track to the ceiling structure, ensuring it is level with the bottom Hadley track. Each Hadley track should be laid in 2 continuous beads of Intumescent Sealant with the use of suitable fixings to secure the head and base track into the existing substrate. These fixings are required at a maximum 600mm centres and within 50mm of the start and end of each Hadley track.

2. Cut and Install Hadley Studs

Measure and cut the Hadley studs to the required length, ensuring they fit snugly between the top and bottom Hadley tracks. Place the Hadley studs into the Hadley tracks, spaced according to the design. Hadley C or I Studs are recommend to be placed within the Hadley track at maximum 600mm centres or less depending on the systems specifications. Hadley studs are just friction fitted into the Hadley track buy twisting them in place. There is no requirement to screw the Hadley Studs into the Hadley track at the metal framework will become more secure once plasterboard has been screwed in. Fix Hadley Resilient Bars across the whole length of the system at maximum 600mm vertical centres and at all perimeters of the wall. Fixing to each stud with wafer head screws.



3. Install Plasterboard

Cut the plasterboard to fit the wall dimensions (height and length).
Coreboard Side Lift the plasterboard inside of the Hadley Track and Hadley I Studs so it is placed within the cavity of the System. Then install Hadley Shaftcore Angle brackets at 600mm vertical centres tight to the coreboard, either side of the Hadley I Stud fixed into each other using 2 waferhead screws in each direction. (As Shown in detail number: DRY-HAD-XX-ZZ-DT-X-0801) For Horizontal joints please refer to detail number: DRY-HADXX-ZZ-DT-X-0807)
Roomside Cut the plasterboard to fit the wall dimensions (height and length) Plasterboard should be Screw fixed at maximum 300mm centres with centres reduced to 200mm at all corners. To ensure the best performance our systems have all been tested with the use of a continuous Intumescent and Acoustic Sealant under all abutments. All horizontal joints should be staggered by 300mm, and all vertical joints should be staggered by 600mm as far as practical.

4.Jointing

To help maintain performance we recommend all joints are taped and jointed. Apply joint compound to the joints between Plasterboard and embed joint tape into the compound. Smooth out the compound, ensuring a seamless finish. Apply additional coats of joint compound as necessary, allowing drying time between coats. Sand the joints once dry for a smooth finish.

5. Install Corner Beads (if required):

For external corners, attach corner beads using screws or adhesive. Apply joint compound over the corner beads and smooth to achieve a clean, straight corner.

HadleySHAFT I Stud

Double & Triple Plasterboard Layers - Firepanel

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	Res Bar No.	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres
60	0.55	12.5	Fire Panel	2	Severe	87	-	30	42	45	45	4600
		15		2	Severe	92	-	90	42 (-3;-9)	44	45	4650
				3	Severe	107	-	120	45	47	47	4750
92	0.55	12.5	Fire Panel	2	Severe	119	-	30	45	47	47	6500
		15		2	Severe	124	-	90	46 (-3;-9)	47	47	6800
				3	Severe	139	-	120	48	50	50	6900
146	0.55	12.5	Fire Panel	2	Severe	173	-	30	47	49	49	7700
		15		2	Severe	178	-	90	47 (-3;-9)	49	49	8000
				3	Severe	193	-	120	50	51	51	8000

HadleySHAFT I Stud

Double & Triple Plasterboard Layers - FireBoard

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	Res Bar No.	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres
60	0.55	12.5	Fire Board	2	Severe	87	-	60	42 (-3;-9)	45 (-4;-10)	45 (-4;-10)	4600
		15		2	Severe	92	-	60	44 (-4;-10)	45	45	4650
				3	Severe	107	-	120	45	48	48	4750
92	0.55	12.5	Fire Board	2	Severe	119	-	60	45	48	48	6500
		15		2	Severe	124	-	60	44 (-4;-10)	47	48	6800
				3	Severe	139	-	120	48	50	50	6900
146	0.55	12.5	Fire Board	2	Severe	173	-	60	47 (-2;-7)	50 (-3;-7)	50 (-3;-7)	7700
		15		2	Severe	178	-	60	44 (-4;-10)	49	49	8000
				3	Severe	193	-	120	50	52	52	8000

HadleySHAFT I Stud

Double & Triple Plasterboard Layers - FireLine

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	Res Bar No.	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres
60	0.55	12.5	FireLine	2	Severe	87	-	60	42	45	45	4600
		15		2	Severe	92	90 120	-	42 (-3;-9)	47 (-4;-11)	45	4650
				3	Severe	107	-	120	46	48	48	4750
92	0.55	12.5	FireLine	2	Severe	119	-	60	45	47	47	6500
		15		2	Severe	124	90 120	-	42 (-3;-9)	47 (-4;-11)	48	6800
				3	Severe	139	-	120	48	51	51	6900
146	0.55	12.5	FireLine	2	Severe	173	-	60	47	49	49	7700
		15		2	Severe	178	90 120	-	42 (-3;-9)	47 (-4;-11)	50	8000
				3	Severe	193	-	120	50	52	52	8000

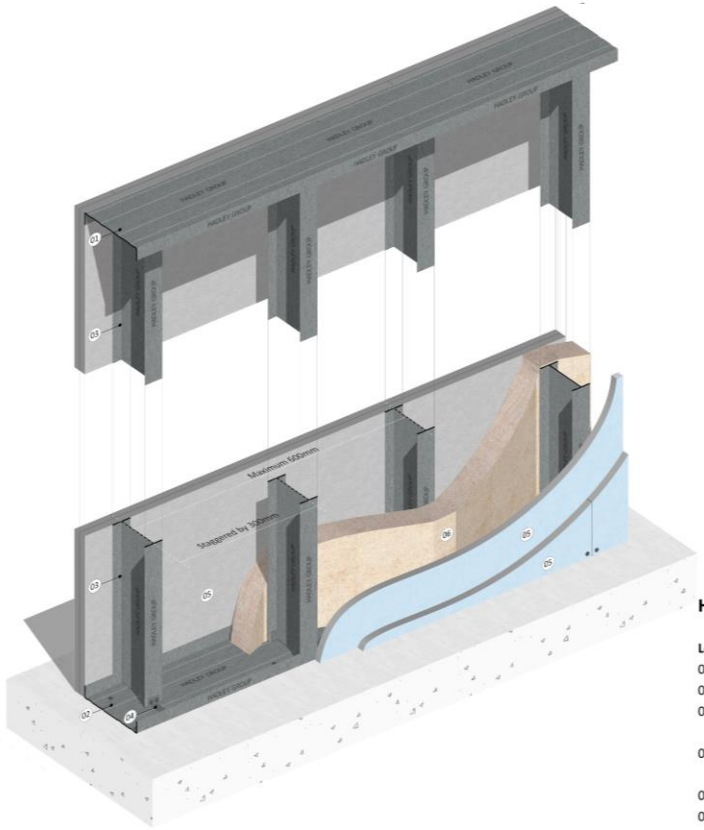
HadleySHAFT I Stud

Triple Plasterboard Layers - Glassroc F FireCase

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	Res Bar No.	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres
60	0.55	15	Glasroc F FireCase	3	Severe	107	-	120	46	48	48	4750
92	0.55	15	Glasroc F FireCase	3	Severe	139	-	120	48	51	51	6900
146	0.55	15	Glasroc F FireCase	3	Severe	193	-	120	50	52	52	8000

HadleySTAGGER System Introduction

HadleySTAGGER offers better enhanced acoustics than a Solo system, whilst providing a thinner solution to a twin frame system.
The staggered stud configuration aids with the dismantling of airbourne sound which in turn aids in a low acoustic transfer.
Partition heights range from 3.3m – 6.7m. Based on a cold state of L/240 @ 200PA.
All partitions are non-load bearing.
Our HadleySTAGGER system is covered by our Hadley Fire Promise and HadleySPEC Performance Warranty.



HadleySTAGGER System

Legend:
01. Hadley Head Track to suit specification
02. Hadley Base Track to suit specification
03. Hadley I 600mm centres each side, to be staggered by 300mm.
04. HadleySTAGGER Clips within both head and base tracks (Size to suit specification)
05. Plasterboard to suit specification
06. Insulation to suit specification

Fire Performance	60:60 – 90:90 minutes
Acoustic Range	54 – 60 dB Rw
Partition Widths	132mm
Partition Heights (coldstate)	3300mm – 4200mm

HadleySTAGGER Installation Guide

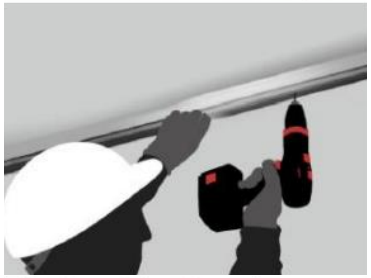
Mark the Partition Location: Mark the position of the partition on the floor, ceiling, and walls using a chalk line. Double-check measurements and ensure the partition aligns with any doors, windows, or adjacent walls.

1. Perimeter Framework

Lay the bottom Hadley track along the marked line on the floor and the top Hadley track along the ceiling, ensuring they are level and parallel. Secure the bottom Hadley track using appropriate fixings (screws or nails) to the floor slab or subfloor. Similarly, fix the top Hadley track to the ceiling structure, ensuring it is level with the bottom Hadley track. Each Hadley track should be laid in 2 continuous beads of Intumescent Sealant with the use of suitable fixings to secure the head and base track into the existing substrate. These fixings are required at a maximum 600mm centres and within 50mm of the start and end of each Hadley track.

2. Cut and Install Hadley Studs

Measure and cut the Hadley studs to the required length. The Hadley staggered Stud clips are to be fixed to the Hadley I Stud at the head and the base of each stud. The Staggered Stud clip is fixed together using 2x Waferhead Screws.
This will achieve a stagger as per drawing number DRY-HAD-XXZZ-DT-X-STAGGER-1001. Place the Hadley studs into the Hadley tracks, spaced according to the design. Hadley I Studs are recommend to be placed within the Hadley track at maximum 300mm centres Hadley studs are just friction fitted into the Hadley track buy twisting them in place.



3. Install Plasterboard

Cut the plasterboard to fit the wall dimensions (height and length). Lift the plasterboard into place and align it with the Hadley studs. Plasterboard should be Screw fixed at maximum 300mm centres with centres reduced to 200mm at all corners. To ensure the best performance our systems have all been tested with the use of a continuous Intumescent and Acoustic Sealant under all abutments. All horizontal joints should be staggered by 300mm, and all vertical joints should be staggered by 600mm as far as practical

4.Jointing

To help maintain performance we recommend all joints are taped and jointed. Apply joint compound to the joints between Plasterboard and embed joint tape into the compound. Smooth out the compound, ensuring a seamless finish. Apply additional coats of joint compound as necessary, allowing drying time between coats. Sand the joints once dry for a smooth finish.

5. Install Corner Beads (if required):

For external corners, attach corner beads using screws or adhesive. Apply joint compound over the corner beads and smooth to achieve a clean, straight corner.

HadleySTAGGER C Stud

Double Plasterboard Layers - Soundshield Plus

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
60	0.55	15	Soundshield Plus	2	Severe	132	-	90	55	60	58 (-3;-7)	3300	3800	4200

HadleySTAGGER C Stud

Double Plasterboard Layers - dB Board

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
60	0.55	15	dB Board	2	Severe	132	-	60	54	59	56 (-2;-6)	3300	3800	4200

HadleySTAGGER C Stud

Double Plasterboard Layers - Soundbloc

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	Plasterboard Name	No. Board Layers	Duty Rating	Partition Width [mm]	Fire Resistance		Acoustic Resistance			Maximum Height [mm] Cold State L240 @ 200Pa		
							BS 476	BS EN 1364	No APR	25mm	50mm	600mm centres	400mm centres	300mm centres
60	0.55	15	Soundbloc	2	Severe	132	-	90	54	59	60 (-2,-6)	3300	3800	4200

One Click downloads of all technical and performance data for our drylining systems.

HadleyDRYLINING Downloads

We have compiled the complete set of drylining technical datasheets into a single document for ease, and you can download documents individually from our website.
Linked below.
Drylining Technical Documents - Hadley Group

- Technical Datasheets
- DoP – Declaration of Performance
- MSDS – Material Safety Datasheet
- O&M Manual
- Hadley Product Lists
- & more.


HADLEY
DRYLINING

Drylining Maximum Heights

Maximum Heights

HadleySOLO - C Stud - Maximum Heights

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	No. Board Layers	Maximum Height [mm] Cold State L240 @ 200Pa		
				600mm centres	400mm centres	300mm centres
50	0.55	12.5	1	3000	3200	3400
			2	3700	3850	4000
		15	1	3150	3350	3550
			2	3950	4050	4200
60	0.55	12.5	1	3450	3700	3900
			2	4300	4500	4650
		15	1	3650	3850	4050
			2	4550	4700	4850
70	0.55	12.5	1	3650	3950	4250
			2	4500	4700	4900
		15	1	4050	4300	4550
			2	4850	5050	5200
92	0.55	12.5	1	4700	5050	5350
			2	5600	5850	6100
		15	1	4900	5200	5500
			2	5900	6150	6350
146	0.55	12.5	1	5800	6450	7000
			2	7100	7550	7950
		15	1	6150	6700	7200
			2	7500	7900	8000

All Hadley Drylining Systems

The maximum heights are the same for each plasterboard type

HadleyDUO - I Stud - Maximum Heights

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	No. Board Layers	Maximum Height [mm] Cold State L240 @ 200Pa		
				600mm centres	400mm centres	300mm centres
50	0.55	12.5	1	2900	3350	3650
			2	2900	3350	3650
		15	1	2900	3350	3650
			2	2900	3350	3650
60	0.6	12.5	1	3300	3800	4200
			2	3300	3800	4200
		15	1	3300	3800	4200
			2	3300	3800	4200
70	0.7	12.5	1	4000	4600	5050
			2	4000	4600	5050
		15	1	4000	4600	5050
			2	4000	4600	5050
92	0.9	12.5	1	5300	6050	6700
			2	5300	6050	6700
		15	1	5300	6050	6700
			2	5300	6050	6700
146	0.9	12.5	1	7500	8000	8000
			2	7500	8000	8000
		15	1	7500	8000	8000
			2	7500	8000	8000

Maximum Heights

HadleySHAFT - I Stud - Maximum Heights

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	No. Board Layers	Maximum Height [mm] Cold State L240 @ 200Pa 600mm centres
60	0.55	12.5	2	4600
		15	1	4100
			2	4650
			3	4750
92	0.9	12.5	2	6500
		15	1	5850
			2	6800
			3	6900
146	0.9	12.5	2	7700
		15	1	6950
			2	8000
			3	8000

HadleyBRACE - C Stud - Maximum Heights

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	No. Board Layers	Maximum Height [mm] Cold State L240 @ 200Pa 600mm centres
50	0.55	12.5	1	4000
			2	6200
		15	1	4000
			2	6200

*Based on system bracing at maximum 1200mm vertical centres using track/stud/flat plate and at a cavity width not exceeding 300mm (rear face of board to rear face of board).

All Hadley Drylining Systems

The maximum heights are the same for each plasterboard type

HadleySTAGGER - C Stud - Maximum Heights

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	No. Board Layers	Maximum Height [mm] Cold State L240 @ 200Pa		
				600mm centres	400mm centres	300mm centres
60 / 92	0.55	12.5	1	3300	3800	4200
			2	3300	3800	4200
		15	1	3300	3800	4200
			2	3300	3800	4200
92 / 146	0.9	12.5	1	5300	6050	6700
			2	5300	6050	6700
		15	1	5300	6050	6700
			2	5300	6050	6700

HadleyHUSH - C Stud

Single Res Bar

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	No. Board Layers	Maximum Height [mm] Cold State L240 @ 200Pa		
				600mm centres	400mm centres	300mm centres
70	0.55	12.5	2	4100	4400	4700
		15	2	4400	4700	4900

Double Res Bar

Section Depth [mm]	Steel Gauge [mm]	Board Thickness [mm]	No. Board Layers	Maximum Height [mm] Cold State L240 @ 200Pa		
				600mm centres	400mm centres	300mm centres
70	0.55	12.5	2	3200	3600	4000
		15	2	3200	3600	4000

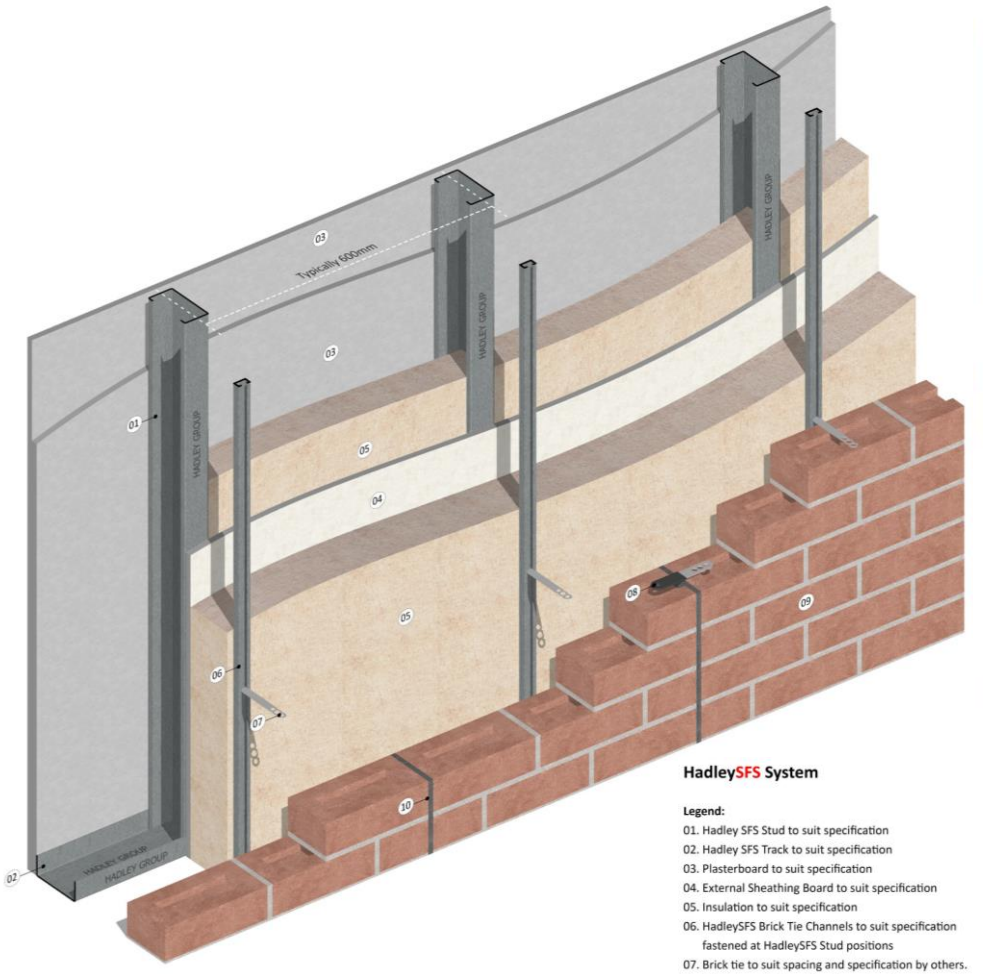

HADLEY
SFS

SFS Infill Performance Tables

HadleySFS System Introduction

We provide ‘through-the-wall’ fire rated infill system, tested from the internal plasterboard all the way through to the external sheathing board or external cavity insulation, solutions tailored and tested for use with Hadley SFS system components. Our systems come with flexible specification options, using boards from top UK manufacturers and suppliers. Each configuration has been tested to deliver 60, 90, and 120-minute fire resistances in both directions.

This section outlines fully tested HadleySFS Infill fire rated ‘through-the-wall’ system solutions that are covered by our Hadley Fire Promise and HadleySPEC Performance Warranty.



HadleySFS System

Legend:

01. Hadley SFS Stud to suit specification
02. Hadley SFS Track to suit specification
03. Plasterboard to suit specification
04. External Sheathing Board to suit specification
05. Insulation to suit specification
06. HadleySFS Brick Tie Channels to suit specification fastened at HadleySFS Stud positions
07. Brick tie to suit spacing and specification by others.
08. Brick tie and Debonding sleeve to suit spacing and specification by others
09. External Brickwork to suit specification
10. Brickwork movement joint to suit specification

Parapets and Downstands

Utilizing Hadley' project designed cantilever posts within the HadleySFS allows for the formation of parapets and downstands. These posts serve a dual purpose, breaking up wide openings and enabling the creation of ribbon windows.

Compound Sections

When higher capacity sections are required, single sections can be joined together to form compound sections. This method is particularly useful for jamb, cill, and lintel sections.

Zed Bars

Zed bars, such as the 40 x 50 x 40 x 2mm variant, are available in 2mm material and 4000mm length to be cut to size on site. These bars are commonly employed in situations where there isn't adequate bearing at the head or base of the SFS panel. And to allow separation between hot rolled steel to allow the expansion of intumescent paint.

Slotted Head Track

The slotted head track from Hadley is designed to accommodate deflection in the primary structural frame without transferring any vertical load to the studs. Studs are securely fastened to the slotted head track via pre-formed slots.

Key Benefits

- Faster and simpler installation compared to conventional deflection brackets.
- Streamlined and quicker installation in contrast to traditional masonry infill.
- Reduced number of components on-site, minimizing storage requirements and potential for loss.
- Fix and forget system eliminates concerns about missing brackets.
- Vertical slots that accommodate +/- 20mm deflection TBC.

HadleySFS

HadleySFS – Infill – Fire Rated Systems – 60 minutes

Fire Rating (EI)	External Insulation	Sheathing Board	HadleyStud min. (Insulation)	Internal Plasterboard
60:60	None Applied	Obex Cortex Score'N'Snap Cement Board	100x1.2mm (75mm Rockwool RWA45)	2 x 12.5mm British Gypsum Gyproc Wallboard
60:60	50mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	1 x 12.5mm British Gypsum Habito inner;1 x 15mm British Gypsum Gyproc Fireline MR outer
60:60	50mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	1 x 12.5mm British Gypsum Habito inner;1 x 15mm British Gypsum Gyproc Fireline outer
60:60	50mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	1 x 15mm British Gypsum Fireline MR
60:60	50mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	1 x 15mm British Gypsum Gyproc Fireline
60:60	100mm Rockwool DuoSlab	12.5mm Siniat Gtec Weather Defence	100 x 1.2mm (100mm Rockwool RWA45)	2 x 12.5mm Siniat Gtec dB Board
60:60	50mm Rockwool DuoSlab	12mm Euroform Versroc	100 x 1.2mm (60mm Rockwool RWA45)	2 x 15mm British Gypsum Gyproc Soundbloc

HadleySFS – Infill – Fire Rated Systems – 90 minutes

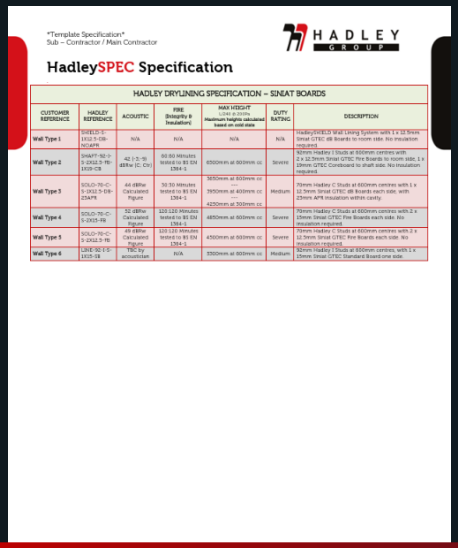
Fire Rating (EI)	External Insulation	Sheathing Board	HadleyStud min. (Insulation)	Internal Plasterboard
90:90	50mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	1 x 15mm British Gypsum Gyproc Soundbloc inner; 1 x 15mm British Gypsum Gyproc Soundbloc MR outer
90:90	50mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	2 x 15mm British Gypsum Gyproc Soundbloc
90:90	50mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	1 x 12.5mm British Gypsum Habito inner; 2 x 15mm British Gypsum Gyproc Soundbloc outer
90:90	75mm Rockwool DuoSlab	12mm HadleyBoard	100 x 1.2mm (50mm Rockwool RWA45)	2 x 15mm British Gypsum Gyproc Fireline
90:90	120mm Rockwool DuoSlab	12mm RCM Y-Wall	100 x 1.2mm (50mm Rockwool RWA45)	2 x 15mm British Gypsum Gyproc Soundbloc outer

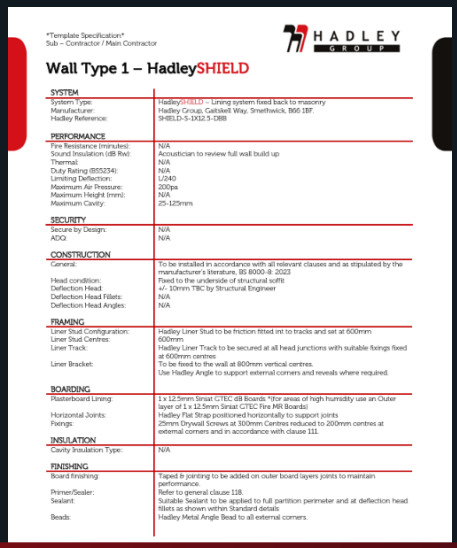
HadleySFS

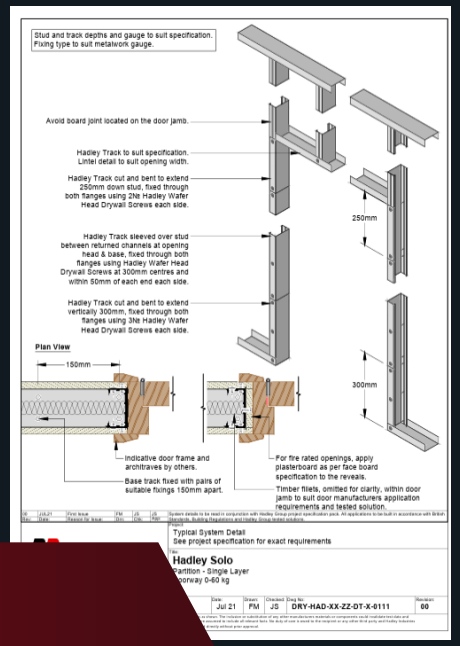
HadleySFS – Infill – Fire Rated Systems – 120 minutes

Fire Rating (EI)	External Insulation	Sheathing Board	HadleyStud min. (Insulation)	Internal Plasterboard
120:120	200mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (100mm Isover Acoustic Partition Roll)	1 x 15mm British Gypsum Gyproc Soundbloc inner; 1 x 15mm British Gypsum Gyproc Soundbloc MR outer
120:120	200mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (100mm Isover Acoustic Partition Roll)	2 x 15mm British Gypsum Gyproc Soundbloc
120:120	200mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (100mm Isover Acoustic Partition Roll)	1 x 12.5mm British Gypsum Habito inner; 2 x 15mm British Gypsum Gyproc Soundbloc outer
120:120	200mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (100mm Isover Acoustic Partition Roll)	1 x 12.5mm British Gypsum Habito inner; 1 x 15mm British Gypsum Gyproc Soundbloc mid; 1 x 15mm British Gypsum Gyproc Soundbloc MR outer
120:120	100mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	2 x 15mm British Gypsum Gyproc Fireline inner; 1 x 15mm British Gypsum Fireline MR outer
120:120	100mm Isover Polterm Max Plus	12.5mm British Gypsum Glasroc X	100 x 1.2mm (50mm Isover Acoustic Partition Roll)	3 x 15mm British Gypsum Gyproc Fireline


HADLEY
SFS & DRYLINING
One Team.
One Warranty.
Hadley offers a single-source solution and combined warranty cover for Drylining and SFS, including junctions between the internal and external elements of our systems.







Request your Project Specification

Hadley offers a single-source solution and combined warranty cover for Drylining and SFS, including junctions between the internal and external elements of our systems.

Follow the below link Drylining Specification Request Form - Hadley Group or email HCT@hadleygroup.com today to see how we can help you with your project.

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1.0	30/06/25	First Issue	IF	FM	JS

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