

WOODALL FS

FASTENING SYSTEMS



TECHFIX TECHBAR

Fixings • Fasteners • Stainless • TechBar Spacer System • Tapes • Sealants

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Woodall Fastening Systems supply high quality fixings and accessories for roofing and cladding and have done so since 2003.

We offer our customers quality and reliability.

Our enormous core range of self-drilling screws are Ruspert plated for excellent corrosion resistance and available in TechColour nylon heads that are colour matched perfectly with your build, and moulded on site at our West Midlands depot.

We manufacture TechBar and TechWall spacer systems for twin skin roofs and walls or over-cladding refurbishment projects.

Need more than just screws?

We stock a huge range of sealants, adhesives, tapes, tools and more.

We are a one-stop-shop that can help you keep your project on time.

If you're looking for technical advice on the right fixing for your job, we have you covered. With over 100 years of combined fixing experience, the answer to your fixing query is just a call or email away.

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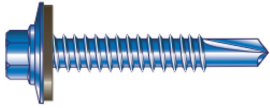
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Carbon Self Drilling Screws

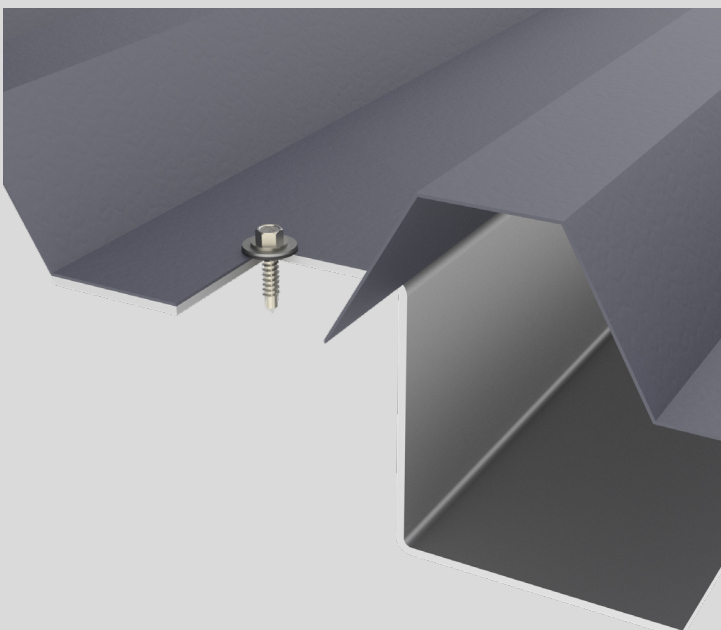
For Light Section Purlins 1.2mm – 3.6mm.



Product code	Size	ETL
T14	5.5 x 25mm LS	9mm
T15	5.5 x 32mm LS	14mm
T11	5.5 x 38mm LS	15mm
T12	5.5 x 43mm LS	30mm
T21	5.5 x 51mm LS	36mm
T23	5.5 x 57mm LS	43mm
T38	5.5 x 70mm LS	62mm
DLS100	5.5 x 100mm LS	87mm

Washer options add: **GB16 GB19** or **SB29** to the code.

Application Example



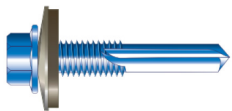
For Colour moulded head options add **MH** to the code + colour code number

(See page 24 for colours)

Example: **T14GB16-MH53** = 5.5 x 25mm LS C/W GB16 Moulded Head colour Goose Wing Grey

Carbon Self Drilling Screws

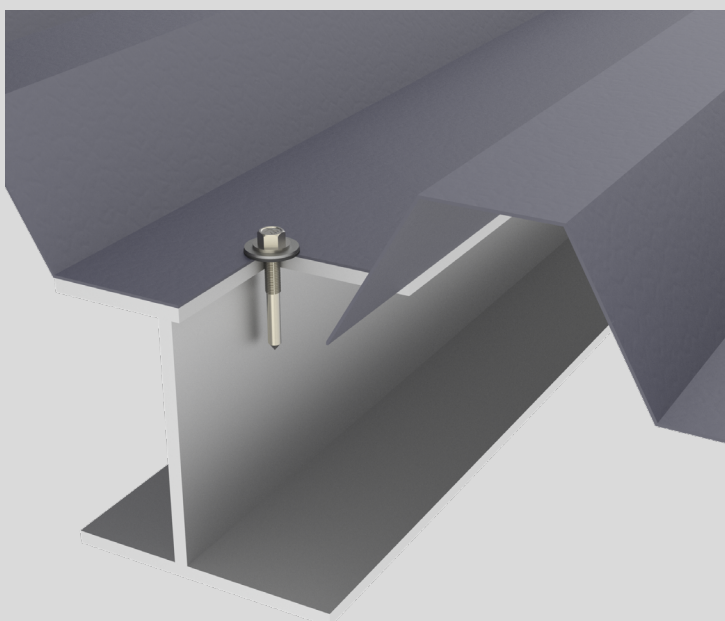
For Heavy Section Purlins 4.0mm – 12.5mm.



Product code	Size	ETL
T32	5.5 x 25mm HS	7mm
T47	5.5 x 32mm HS	11mm
T2410	5.5 x 38mm HS	17mm
T26	5.5 x 51mm HS	30mm
T27	5.5 x 60mm HS	46mm
T33	5.5 x 76mm HS	55mm
NTL100	5.5 x 100mm HS	79mm

Washer options add: **GB16 GB19** or **SB29** to the code.

Application Example



For Colour moulded head options add **MH** to the code + colour code number

(See page 24 for colours)

Example: **T32GB16-MH53** = 5.5 x 25mm HS C/W GB16 Moulded Head colour Goose Wing Grey

Carbon Timber Screws



Type 17 'S' points - Sheet to Timber

Product code	Size	ETL
T16	6.3 x 25mm	20mm Penetration
T39	6.3 x 32mm	27mm Penetration
T28	6.3 x 45mm	40mm Penetration

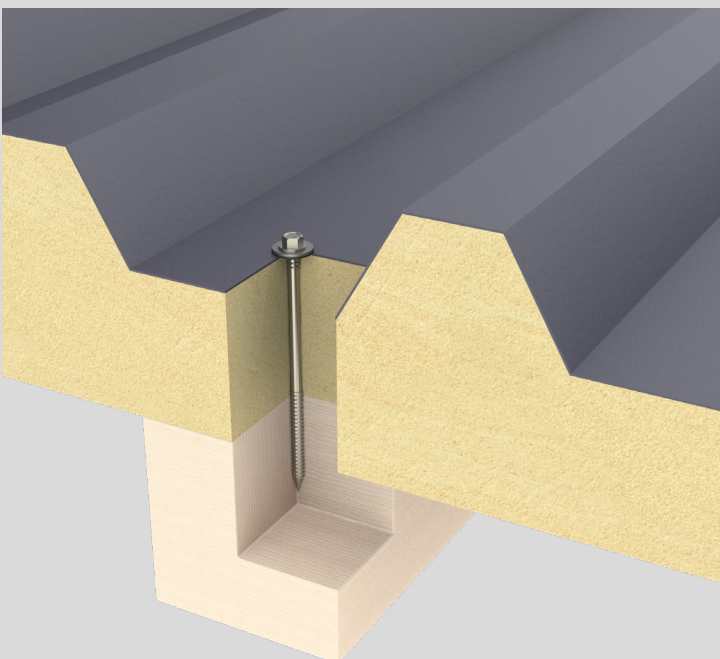


Composite Panel to Timber

Product code	Size	To Suit Panel
CPST14060	6.3 x 60mm	15-25mm
CPST14080	6.3 x 80mm	30-45mm
CPST14100	6.3 x 100mm	50-65mm
CPST14125	6.3 x 125mm	75-90mm
CPST14160	6.3 x 160mm	100-125mm

Washer options add: **GB16** or **GB19** to the code

Application Example



For Colour moulded head options
add **MH** to the code
+ colour code number

(See page 24 for colours)

Example: **T16GB16-MH53**
= 6.3 x 25 S C/W GB16 Moulded
Head colour Goose Wing Grey

Carbon Self Drilling Screws

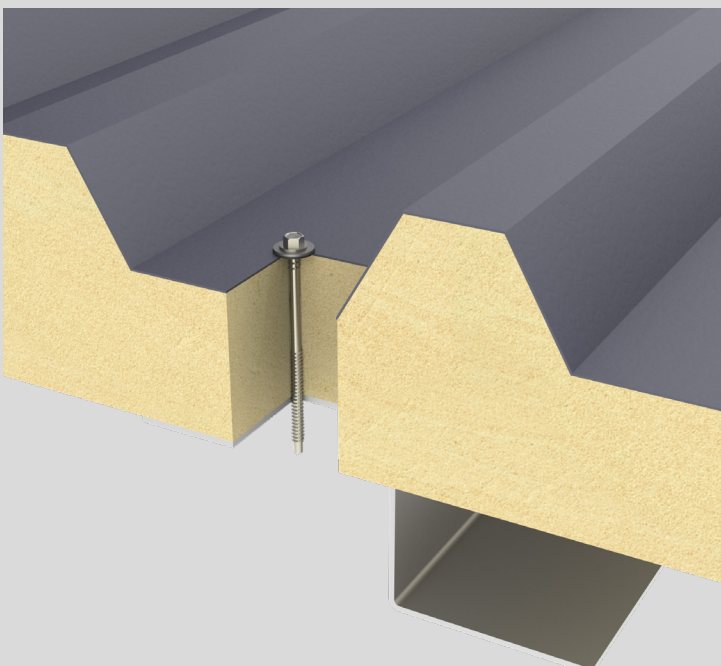
For Composite Panels To Light Section Purlins 1.2mm – 3.6mm.



Product code	Size	To Suit Panel	ETL
HT65	5.5 x 65mm LS	30 - 45mm	50mm
HT85	5.5 x 85mm LS	50 - 65mm	70mm
HT105	5.5 x 105mm LS	60 - 80mm	90mm
HT120	5.5 x 120mm LS	75 - 95mm	100mm
HT135	5.5 x 135mm LS	75 - 110mm	115mm
HT150	5.5 x 150mm LS	100 - 130mm	135mm
HT165	5.5 x 165mm LS	100 - 140mm	145mm
HT190	5.5 x 190mm LS	120 - 165mm	170mm

Washer options add: **GB16 GB19** or **SB29** to the code.

Application Example



For Colour moulded head options add **MH** to the code + colour code number

(See page 24 for colours)

Example: **HT65GB19-MH53** = 5.5 x 65mm LS C/W GB19 Moulded Head colour Goose Wing Grey

Carbon Self Drilling Screws

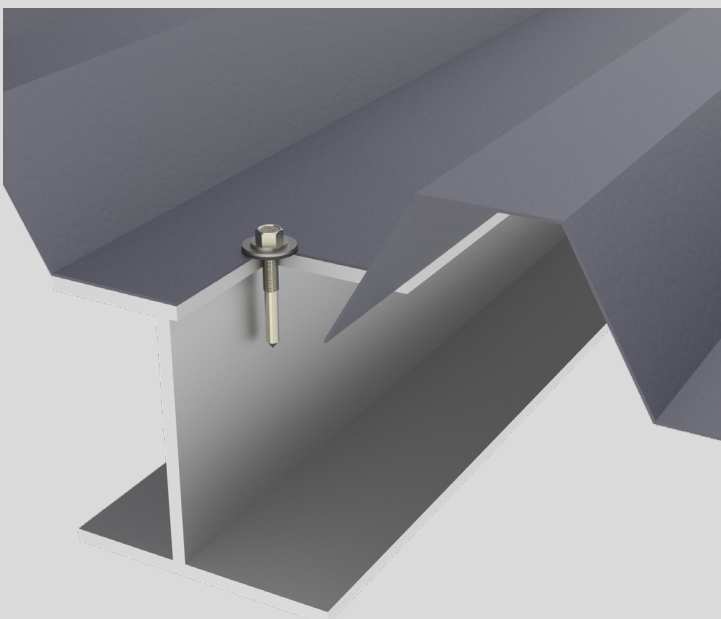
For Composite Panels To Heavy Section Purlins 4.0mm – 12.5mm.



Product code	Size	To Suit Panel	ETL
HTL85	5.5 x 85mm HS	40 - 50mm	62mm
HTL105	5.5 x 105mm HS	35 - 70mm	82mm
HTL130	5.5 x 130mm HS	65 - 95mm	100mm
HTL150	5.5 x 150mm HS	100 - 120mm	127mm

Washer options add: **GB16 GB19** or **SB29** to the code.

Application Example



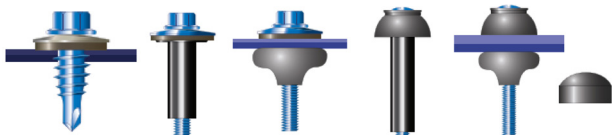
For Colour moulded head options add **MH** to the code + colour code number

(See page 24 for colours)

Example: **HTL85GB19-MH53** = 5.5 x 85mm HS C/W GB19 Moulded Head colour Goose Wing Grey

Carbon Self Drilling Screws

Stitchers & Laplox.

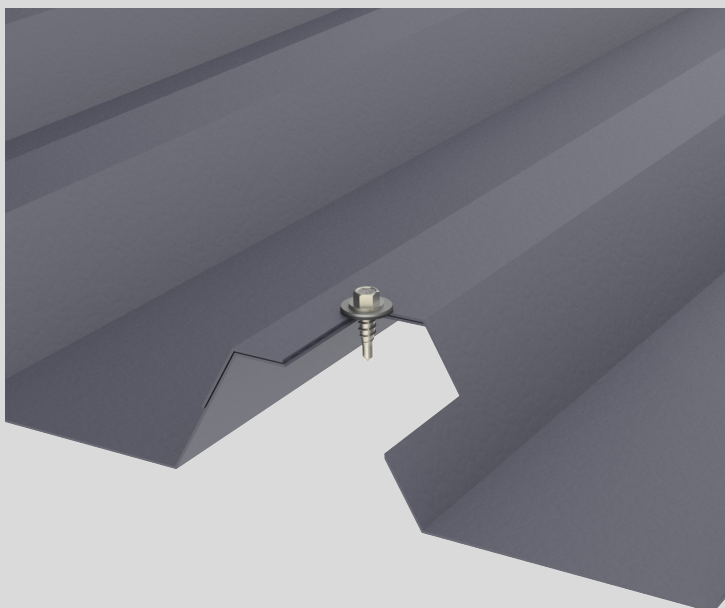


Product code	Size	ETL
T1420	6.3 x 22mm Stitcher	3 x 0.7 Sheets
T1625	8 x 25mm MEGA Stitcher	3 x 0.7 sheets
*25LGB	M10 x 25mm Laplox	16mm Penetration
*38LGB	M10 x 38mm Laplox	25mm Penetration
*38LAP28CL58	M10 x 38mm Laplox c/w Sela washer	25mm Penetration

Washer options add: **GB16** or **GB19** to the code Stitchers only.

*Recommended Drill Size: 10mm.

Application Example



For Colour moulded head options add **MH** to the code + colour code number

(See page 24 for colours)

Example: **T1420GB16-MH53** = 5.5 x 22mm Stitcher C/W GB16 Moulded Head colour Goose Wing Grey

Low Profile Carbon Self Drilling Screws



Product code	Size	ETL
LPLS25GB12	5.5 x 25mm LS	9mm
LPST22GB12	6.3 x 22mm Stitcher	3 x 0.7 Sheets

For colour matched powder coated head options please state Ral or BS colour reference when ordering. (See page 24 for colours).



Rivets



Product code	Size	Grip Range	Drill Bit	Caps
AD68	4.8 x 12mm ALUM/STL SEALED RIVET	0.5-6.4mm	4.9mm	RC3
AD68SS	4.8 x 12mm STAINLESS SEALED RIVET	0.5-6.4mm	4.9mm	RC3
SD68SB	4.8 x 12mm STEEL	0.5-6.4mm	4.9mm	RC3
3W	5.2 x 17.5mm ALUMINIUM	0.5-4.75mm	5.3mm	RC1
4W	5.2 x 19.1mm ALUMINIUM	1.5-6.35mm	5.3mm	RC1
6W	5.2 x 22.2mm ALUMINIUM	4.75-9.5mm	5.3mm	RC1
8W	5.2 x 25.4mm ALUMINIUM	7.90-12.7mm	5.3mm	RC1
10W	5.2 x 28.6mm ALUMINIUM	11.6-15.8mm	5.3mm	RC1
*0619	4.8 x 15mm MULTIGRIP ALUM/STL	4.8-11mm	4.9mm	RC3

* For colour matched powder coated heads please state Ral or BS colour reference when ordering. (See page 24 for colours).

Carbon Self Drilling Screws

For Fibre Cement Sheets.



For Purlins 1.2mm – 3.6mm

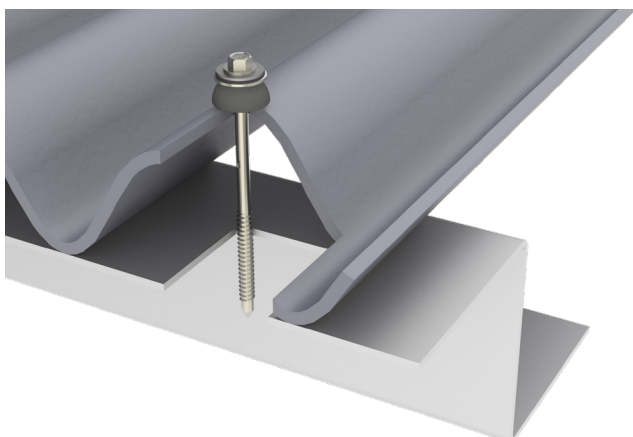
Product code	Size	Build Up	ETL
SCF-BAZ63110	6.3 x 110mm LS	40-75mm	85mm
SCF-BAZ63125	6.3 x 125mm LS	45-85mm	95mm
SCF-BAZ63145	6.3 x 145mm LS	60-105mm	125mm
SCF-BAZ63175	6.3 x 175mm LS	90-140mm	145mm
SCF-BAZ63200	6.3 x 200mm LS	110-160mm	165mm

For Purlins 4.0mm – 12.0mm

Product code	Size	Build Up	ETL
SCF5BAZ63120	6.3 x 120mm HS	40-75mm	85mm
SCF5BAZ63145	6.3 x 145mm HS	45-85mm	115mm
SCF5BAZ63175	6.3 x 175mm HS	60-105mm	145mm
SCF5BAZ63200	6.3 x 200mm HS	90-140mm	165mm

For Timber Purlins

Product code	Size	Build Up
SCFT-BAZ63095	6.3 x 95mm T	Up to 40mm
SCFT-BAZ63130	6.3 x 130mm T	40-70mm



Carbon Self Drilling Screws

Countersunk Wing Drill Screws.

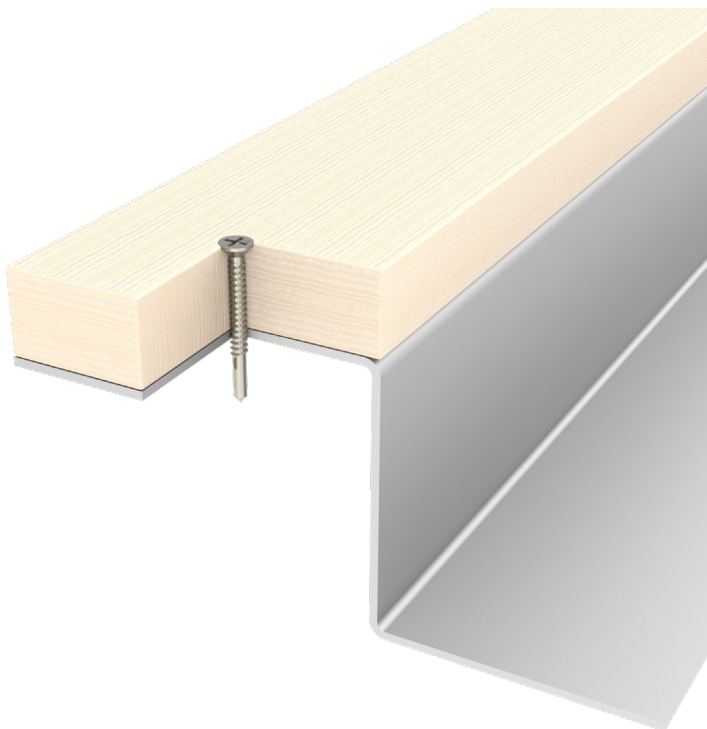


For Purlins 1.2mm – 3.6mm

Product code	Size	Build Up	Recess/Drive
WDLS38	4.8 x 38mm CSK LS	20mm	PH2
WDLS50	5.5 x 50mm CSK LS	28mm	PH3
WDLS60	5.5 x 60mm CSK LS	43mm	PH3
WDLS85	5.5 x 85mm CSK LS	63mm	PH3
WDLS110	5.5 x 110mm CSK LS	86mm	PH3

For Purlins 4.0mm – 12.0mm

Product code	Size	Build Up	Recess/Drive
WDHS60	5.5 x 60mm CSK HS	25mm	PH3
WDHS85	5.5 x 85mm CSK HS	50mm	PH3
WDHS110	5.5 x 110mm CSK HS	43mm	PH3



Carbon Self Drilling Screws

Tapcon Hex Head Masonry Screws & Metsec Fasteners.



Product code	Size	Build Up
T4H32	6.3 x 32mm	0-7mm
T4H45	6.3 x 45mm	5-20mm
T4H57	6.3 x 57mm	17-32mm
T4H70	6.3 x 70mm	30-45mm
T4H82	6.3 x 82mm	42-57mm
T4H100	6.3 x 100mm	60-75mm

Washer options add: **GB16** or **GB19** to the code.

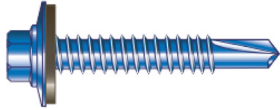
Carbon MetSec Pancake Head Fastener



Product code	Size	Dive Recess
1METSECTSPH5525	5.5 x 26mm Light section Metsec	PH2

Stainless Steel 304 A2 Bi Metal Self Drilling Screws

For Light Section Purlins 1.2mm – 3.6mm.



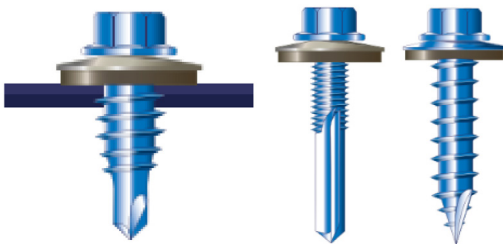
Product code	Size	ETL
BML25	5.5 x 25mm LS	10mm
BML35	5.5 x 35mm LS	16mm
BML50	5.5 x 50mm LS	21mm
BML60	5.5 x 60mm LS	29mm

Washer options add: **GB16 GB19** or **SB29** to the code.



For Colour moulded head options add **MH** to the code + colour code number (See page 24 for colours)
 Example: **BMLS25S16-MH53**
 = 5.5 x 25mm LS CW SB16 Moulded Head colour Goose Wing Grey

Stitcher, Heavy Section Timber short lengths & Halter Fix



Product code	Size	ETL
BMS25	6.3 x 25mm STITCHER	2 x 1.25 Sheets
BMH40	5.5 x 40mm HS	12mm
BMH60	5.5 x 60mm HS	12mm
BMT50	6.3 x 50mm TIMBER	29mm
BMHF38	6.5 x 38mm HALTER FIX	17mm
BMHF47	6.5 x 47mm HALTER FIX	26mm

Washer options add: **GB16 GB19** or **SB29** to the code.

Stainless Steel 304 A2 Bi Metal Composite Self Drilling Screws

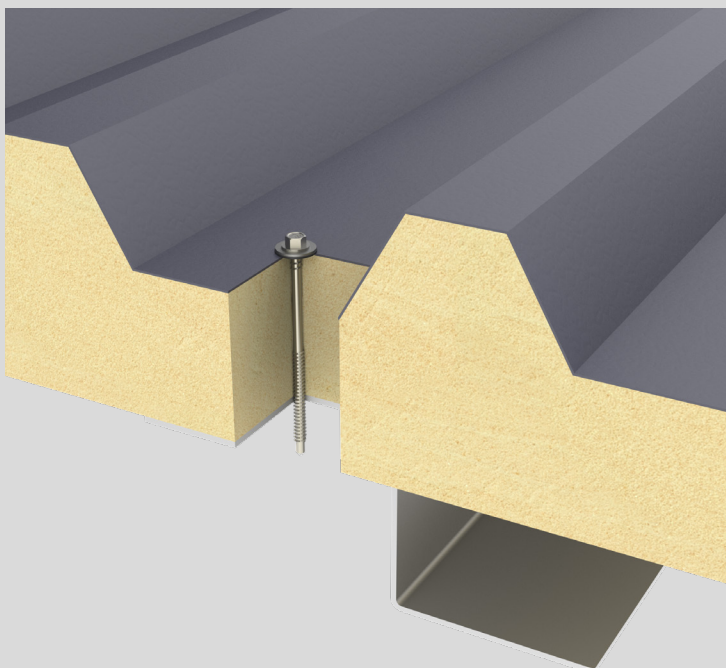
For Light Section Purlins 1.2mm – 3.6mm.



Product code	Size	To Suit Panel
BMCL85	5.5 x 85mm LS	40 - 65mm
BMCL110	5.5 x 110mm LS	65 - 85mm
BMCL130	5.5 x 130mm LS	65 - 110mm
BMCL150	5.5 x 150mm LS	85 - 130mm
BMCL180	5.5 x 180mm LS	105 - 150mm
BMCL200	5.5 x 200mm LS	130 - 175mm

Washer options add: **GB16 GB19** or **SB29** to the code.

Application Example



For Colour moulded head options add **MH** to the code + colour code number

(See page 24 for colours)

Example: **BMCL85SB19-MH53** =
5.5 x 85mm LS C/W SB19 Moulded
Head colour Goose Wing Grey

Stainless Steel 304 A2 Bi Metal Composite Self Drilling Screws

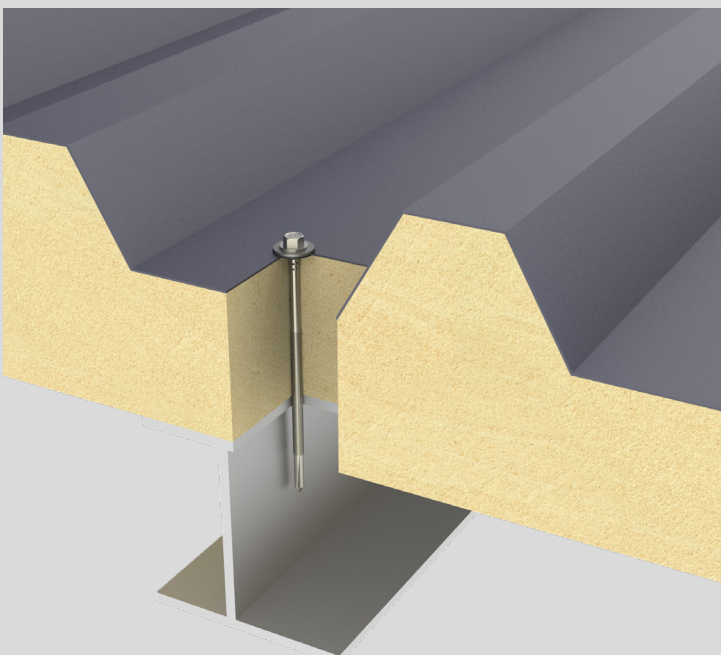
Composite Panels To Heavy Section Purlins 4.0mm – 12.5mm.



Product code	Size	To Suit Panel
BMCH85	5.5 x 85mm HS	40-50mm
BMCH110	5.5 x 110mm HS	50-70mm
BMCH135	5.5 x 135mm HS	70-90mm
BMCH150	5.5 x 150mm HS	85-115mm
BMCH195	5.5 x 195mm HS	130-165mm

Washer options add: **GB16 GB19** or **SB29** to the code.

Application Example



For Colour moulded head options add **MH** to the code + colour code number

(See page 24 for colours)

Example: **BMCH85SB19-MH53** =
5.5 x 85mm HS C/W SB19 Moulded
Head colour Goose Wing Grey

Stainless Steel 304 A2 Bi-Meta Low Profile Self Drilling Screws

Product code	Size
BMLPL25S12	5.5 x 25mm Low Profile T25 Light Section c/w S12 B/W
BMLPL38S12	5.5 x 38mm Low Profile T25 Light Section c/w S12 B/W
BMLPL50S12	5.5 x 50mm Low Profile T25 Light Section c/w S12 B/W
BMLPST25S12	6.3 x 25mm Low Profile Stitcher T25 c/w S12 B/W
BMLPTF35S12	4.8 x 35mm Low Profile Timber Fix T25 c/w S12 B/W
BMLPH38S12	5.5 x 38mm Low Profile Heavy Section T25 c/w S12 B/W
BMLPH60S12	5.5 x 60mm Low Profile Heavy Section T25 c/w S12 B/W

Powder Coated



For colour matched powder coated head options please state Ral or BS colour reference when ordering. (See page 24 for colours).

Stainless Steel 304 A2 Bi-Metal Counter Sunk Winged Self Drilling Screws



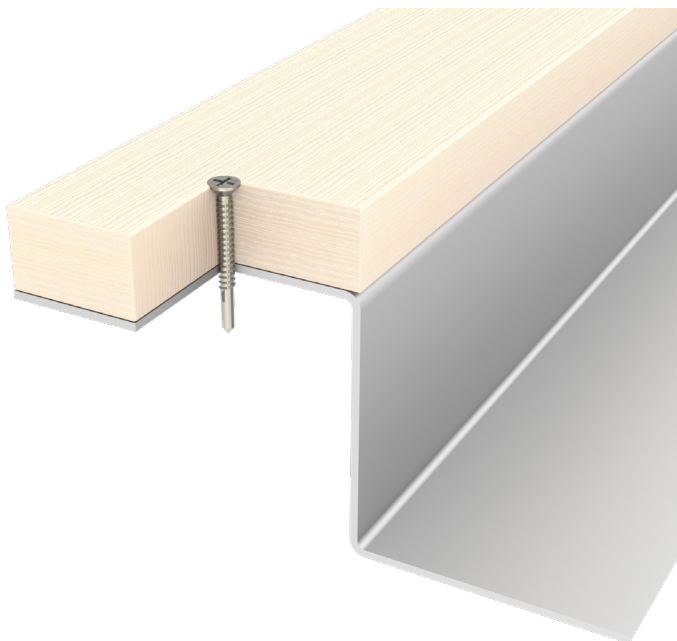
Product code	Size	Max Timber	Recess/Drive
BMWDHS60	5.5 x 60mm CSK HS Winged	25mm	PH3
BMWDLS45	5.5 x 45mm CSK LS Winged	25mm	PH3
BMWDLS65	5.5 x 65mm CSK LS Winged	45mm	PH3

Stainless Steel 304 A2 Bi-Metal Cement Board Fastener



Product code	Size	Cement Board	Recess/Drive
BMLCSK4828	4.8 x 28mm SS CSK LIGHT SEC	12mm Max	TORX 25

Application Example



EUROFAST®

Flat Roofing Fasteners.



EDS-S – Fixing for 0.7-0.88mm Steel or Timber Substrates.

PH2 Recess

Product Key	Diameter	Fastener Length	Thread Length
EDS-S-48025	4.8mm	25	20
EDS-S-48030	4.8mm	30	25
EDS-S-48040	4.8mm	40	35
EDS-S-48050	4.8mm	50	45
EDS-S-48060	4.8mm	60	55
EDS-S-48070	4.8mm	70	60
EDS-S-48080	4.8mm	80	70
EDS-S-48090	4.8mm	90	80
EDS-S-48100	4.8mm	100	80
EDS-S-48110	4.8mm	110	80
EDS-S-48120	4.8mm	120	80
EDS-S-48130	4.8mm	130	80
EDS-S-48140	4.8mm	140	80
EDS-S-48150	4.8mm	150	80
EDS-S-48160	4.8mm	160	80
EDS-S-48170	4.8mm	170	80
EDS-S-48180	4.8mm	180	80
EDS-S-48200	4.8mm	200	80
EDS-S-48220	4.8mm	220	80
EDS-S-48240	4.8mm	240	80
EDS-S-48260	4.8mm	260	80
EDS-S-48280	4.8mm	280	80
EDS-S-48300	4.8mm	300	80

EUROFAST®

Flat Roofing Fasteners.



EDS-B – Fixing for 0.88 – max 2 x 1.25mm Steel Substrates

Torx25 recess

Product Key	Diameter	Fastener Length	Thread Length
EDS-B-48035	4.8mm	35	30
EDS-B-48050	4.8mm	50	45
EDS-B-48060	4.8mm	60	50
EDS-B-48070	4.8mm	70	50
EDS-B-48080	4.8mm	80	50
EDS-B-48090	4.8mm	90	50
EDS-B-48100	4.8mm	100	80
EDS-B-48110	4.8mm	110	80
EDS-B-48120	4.8mm	120	80
EDS-B-48130	4.8mm	130	100
EDS-B-48140	4.8mm	140	100
EDS-B-48150	4.8mm	150	100
EDS-B-48180	4.8mm	180	120
EDS-B-48210	4.8mm	210	120
EDS-B-48240	4.8mm	240	120
EDS-B-48260	4.8mm	260	120
EDS-B-48280	4.8mm	280	120
EDS-B-48300	4.8mm	300	120

EUROFAST®

Flat Roofing Fasteners.



EDS-SRB – Bi-Metal 316 For 0.88 – max 2 x 1.25mm
Steel Substrates. Torx25 Recess

Product Key	Diameter	Fastener Length	Thread Length
EDS-SRB-48060	4.8mm	60	50
EDS-SRB-48080	4.8mm	80	50
EDS-SRB-48100	4.8mm	100	50
EDS-SRB-48120	4.8mm	120	75
EDS-SRB-48140	4.8mm	140	75
EDS-SRB-48160	4.8mm	160	120
EDS-SRB-48180	4.8mm	180	120
EDS-SRB-48210	4.8mm	210	120
EDS-SRB-48240	4.8mm	240	120



EDS-H – Fixings for Timber OSB Plywood Substrates
PH2 Recess

Product Key	Diameter	Fastener Length	Thread Length
EDS-H-50020	5.0mm	20	15
EDS-H-50025	5.0mm	25	20
EDS-H-50030	5.0mm	30	25
EDS-H-50035	5.0mm	35	30
EDS-H-50040	5.0mm	40	35
EDS-H-50045	5.0mm	45	40
EDS-H-50055	5.0mm	55	50
EDS-H-50065	5.0mm	65	50
EDS-H-50075	5.0mm	75	50
EDS-H-50095	5.0mm	95	50
EDS-H-50120	5.0mm	120	50

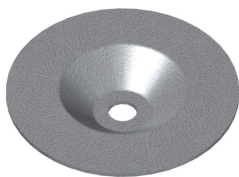
EUROFAST®

Flat Roofing Fasteners.

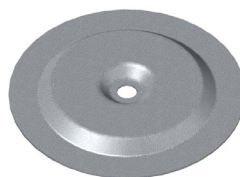


EFHD – Fixings for Concrete Timber and Steel
Torx25 Recess

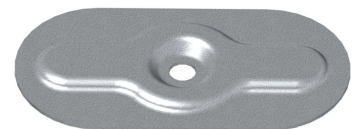
Product Key	Diameter	Fastener Length	Thread Length
EFHD-63030	6.3mm	30	25
EFHD-63045	6.3mm	45	40
EFHD-63060	6.3mm	60	55
EFHD-63070	6.3mm	70	60
EFHD-63080	6.3mm	80	60
EFHD-63100	6.3mm	100	70
EFHD-63130	6.3mm	130	70
EFHD-63160	6.3mm	160	70
EFHD-63180	6.3mm	180	70
EFHD-63200	6.3mm	200	70
EFHD-63230	6.3mm	230	70
EFHD-63250	6.3mm	250	70
EFHD-63275	6.3mm	275	70
EFHD-63300	6.3mm	300	70
EFHD-63330	6.3mm	330	70
EFHD-63350	6.3mm	350	70
EFHD-63400	6.3mm	400	70



DVP-EF-501D – Pressure Plate Washer for Single Layered Roofing Membranes



DVP-EF-7007H – Pressure Plate Washer for Single Layered Roofing Membranes



DVP-EF-8040D – Oval Pressure Plate Washer for Single Layered Roofing Membranes

EUROFAST®

Flat Roofing Fasteners.



TLK-45 Tubes for Single Layered Membranes
Polypropylene

Product Key	Diameter	Tube Length
TLK-45035	45mm	35
TLK-45065	45mm	65
TLK-45085	45mm	85
TLK-45105	45mm	105
TLK-45135	45mm	135
TLK-45165	45mm	165
TLK-45185	45mm	185
TLK-45225	45mm	225
TLK-45255	45mm	255
TLK-45285	45mm	285
TLK-45320	45mm	320



TLK-75 Tubes for Insulation and Multi Layered
Roofing Membranes
Polypropylene

Product Key	Diameter	Tube Length
TLK-75035	75mm	35
TLK-75065	75mm	65
TLK-75085	75mm	85
TLK-75105	75mm	105
TLK-75135	75mm	135
TLK-75165	75mm	165
TLK-75185	75mm	185

Colour Codes for Moulding, Powder Coating & Push on Hex Caps

Colour Name	British Std Ref.	RAL Ref.	EFS Codes
Acorn Brown	08 D 45		01
Bahama Blue		5015	09
Mountain Blue		5014	14
Solent Blue	18 E 53		21
Glen Green		1002	42
Linden Green	12 E 53		43
Pinewood Green	14 C 39		45
Verona Green	14 E 53	6029	47
Alaska Grey		7000	49
White	00 E 55	9010	51
Goosewing Grey	10 A 05	7038	53
Merlin Grey	18 B 25		55
Black	00 E 53	9005	58
Terracotta Red	04 C 39	8004	59
Juniper Green	12 B 29		60
Slate Grey		7012	63
Svelte Grey	10 B 23	7034	65
Mushroom	10 B 19	1013	68
Moorland Green	12 B 21		69
Olive Green	12 B 27		70
Wedgewood Blue	18 C 37		71
Jade	14 B 37		75
Van Dyke Brown	08 B 29	8025	79

Colour Name	British Std Ref.	RAL Ref.	EFS Codes
Oyster		7035	81
Bamboo	08 C 35		82
Burnt Orange	06 D 45	6021	83
Ocean Blue	10 C 39	5001	84
Petra	04 D 44	3016	85
Slate Blue	10 B 29		86
Saffron	08 E 53		92
Metalic Silver			94
Poppy Red	04 E 53	2002	96
Tangerine Orange	06 E 53	2000	99
Aztec Yellow	10 E 55	1023	104
Golden Glow	08 E 51	8023	106
Meadowlands	12 B 17		121
Heritage		6002	122
Honesty	10 C 31		123
Britannia	18 E 58		126
Albatross	18 B 17		128
Dijon Mustard	10 D 44	1027	131
Eau De Nil	14 E 49		143
Hamlet		9002	15
Sargasso		5003	178
Burano		3004	183

Accessories: Tapes and Sealants



Product code	Size	Roll Size	Box Qty
LAP6X5	6mm x 5mm Grey Butyl Strip Mastic	9.6mtrs	30 Rolls
LAP9X3	9mm x 3mm Grey Butyl Strip Mastic	15mtrs	24 Rolls
LAP50X1	50mm x 1mm Butyl Vapour Control	35mtrs	6 Rolls
LAP50X3	50mm x 3mm Butyl Strip Mastic	15mtrs	6 Rolls
LAP50X6	50mm x 6mm Co-Laminate Butyl Tape	8mtrs	6 Rolls
LAP100X1	100mm x 1mm Butyl Vapour Control	35mts	4 Rolls

Product code	Size	Roll Size	Box Qty
4MMBEAD	4mm Bead Butyl Strip Mastic	12mtrs	30 Rolls
6MMBEAD	6mm Bead Butyl Strip Mastic	8mtrs	24 Rolls
8MMBEAD	8mm Bead Butyl Strip Mastic	6mtrs	20 Rolls

Product code	Size	Roll Size	Box Qty
B26B20X6X10	20mm x 6mm Black PVC Foam Tape	10mtrs	25 Rolls
B26B20X9X10	20mm x 9mm Black PVC Foam Tape	10mtrs	25 Rolls

Please contact the office for details and range of Expanding Foam Tape

Sealants and Foam



Product code	Description	Size	Box Qty
SIL10/25CL	Low modulus neutral cure silicone Clear	300ml	24
SIL10/25AL	Low modulus neutral cure silicone Alu/Silver	300ml	24
SIL10/25AN	Low modulus neutral cure silicone Anthracite	300ml	24
SIL10/25BL	Low modulus neutral cure silicone Black	300ml	24
SIL10/25GR	Low modulus neutral cure silicone Grey	300ml	24
SIL10/25WH	Low modulus neutral cure silicone White	300ml	24



Product code	Description	Size	Box Qty
BUTYRUB	Butyl Mastic Grey "GUN GRADE"	300ml	15
BUTYRUB WHITE	Butyl Mastic White "GUN GRADE"	300ml	15



Product code	Description	Size	Box Qty
SOUDAFLEX 40FC	Soudaflex Polyurethane Sealant Grey	310ml	12
SOUDAFLEX 40FCW	Soudaflex Polyurethane Sealant White	310ml	12



Product code	Description	Size	Box Qty
SILDOW791TCL	Dow Corning 791 Clear Silicone	310ml	12
SILDOW791BL	Dow Corning 791 Black Silicone	310ml	12
SILDOW791AN	Dow Corning 791 Anthracite Silicone	310ml	12
SILDOW791ST	Dow Corning 791 Stone Silicone	310ml	12
SILDOW791WH	Dow Corning 791 White Silicone	310ml	12



Product code	Description	Size	Box Qty
GEOCELWORKSBL	Geocel The Works Black High Performance	290ml	6
GEOCELWORKSCL	Geocel The Works Clear High Performance	290ml	6
GEOCELWORKSWH	Geocel The Works White High Performance	290ml	6



Product code	Description	Size	Box Qty
5FRFOAMB1	SOUDAFOAM FR Hand Held Fire Foam	750ml	12
5FRFOAMGB1	SOUDAFOAM FR Gun applied Fire Foam	750ml	12

Pipe Flashings



Various sizes Pipe flashings available in EPDM for Cold pipes -40 to +115c
and Silicone for Hot pipes -60 to +240c

Please contact our sales team to find a flashing to suit your Pipe.

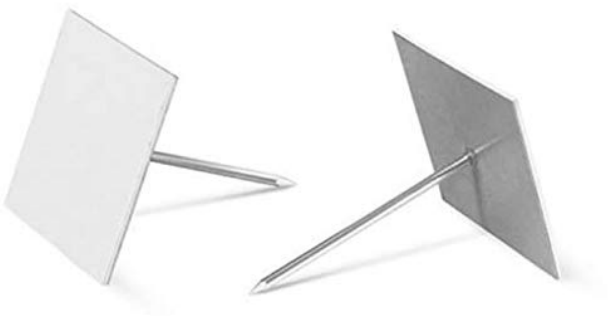
Foam Fillers



Foam Fillers to suit all makes of profiles available with very fast turnaround, large Flute, Small Flute, Pairs, rake cuted, Vented. Available in Black or White Polyethylene (Pel) or SupaSeal.

Call our sales team for details

Insulation Hangers



Product Key	Size	Qty
IH40	40mm	500 Per Box
IH62	62mm	500 Per Box
IH89	89mm	500 Per Box
IH114	114mm	500 Per Box
IH140	140mm	250 Per Box
IH165	165mm	250 Per Box
IH203	203mm	250 Per Box



Drive Sockets

Both 11mm Bi-Hex drive sockets and 8mm (5/16) drive sockets stocked.



Drill Bits

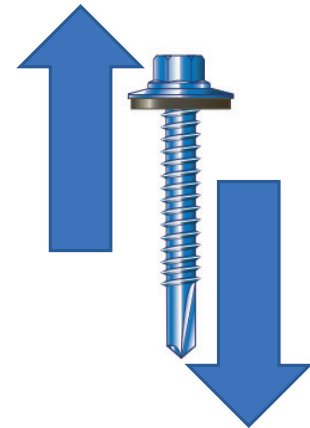
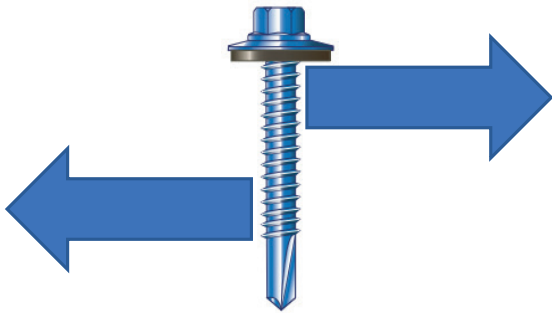
We carry a wide range of drill bits to suit all applications from HSS Split Points to SDS Masonry.



Hole Saws

Various sizes of Hole Saws available on request.

Fastener Technical Data



Carbon Steel Fasteners

Fastener Diameter	Material Thickness	Shear Strength	Tensile Strength
6.3mm (stitcher)	0.7 to 0.7mm	0.66kN	* N/A
6.3mm	0.7 Steel to Timber	11.43kN	17.95kN
5.5mm	1.2 to 3.6 Steel	8.40kN	14.10kN
5.5mm	12.5mm Steel	9.00kN	15.60kN
4.8mm	1.2 to 3mm	6.00kN	8.00kN

* Elongation of hole diameter occurs in sheet and results in failure.

Carbon Pull-out Values

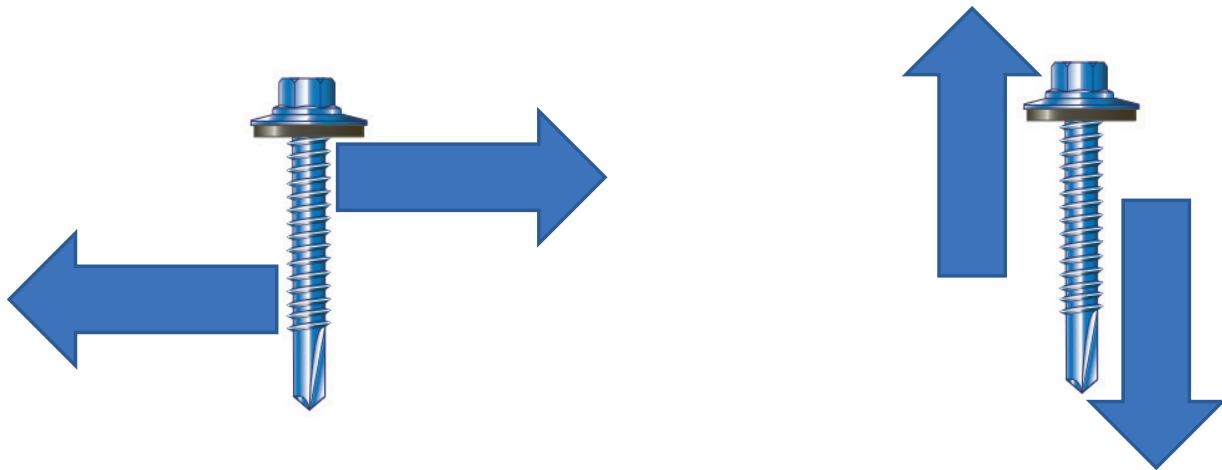
Fastener	1.2mm	1.4mm	1.6mm	2.0mm	2.5mm	2.8mm	3.2mm
LS COMP	2.34kN	3.1kN	3.9kN	4.8kN	7.0kN	9.0kN	9.8kN
Light Sec	2.34kN	3.1kN	4.1kN	5.1kN	7.4kN	9.6kN	10.7kN
Fastener	4mm	5mm	6mm				
HS COMP	11.6kN	14.1kN	14.1kN*	*Fastener failure in tension occurs prior to pull-out			
Heavy Sec	11.6kN	14.1kN	14.1kN*				

Pull-Over Values

Test based on 16mm	0.7mm Steel Sheet	5.6kN
Galvanised bonded washers	1.2mm Steel Sheet	7.0kN

NB All values given are ultimate failure values – no safety factor included.

Fastener Technical Data



Stainless Steel Fasteners

Fastener Diameter	Material Thickness	Shear Strength	Tensile Strength
5.5mm	1.2 to 3.6 Steel	7.28kN	10.40kN
5.5mm	12.5mm Steel	7.50kN	12.48kN
6.3mm	1.2 to 3mm	10.0kN	15.20kN
6.3mm (stitcher)	0.7 to 0.7mm	0.62kN	* N/A

* Elongation of hole diameter occurs in sheet and results in failure.

Stainless Steel Pull-out Values

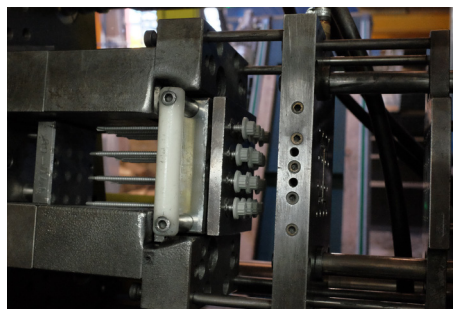
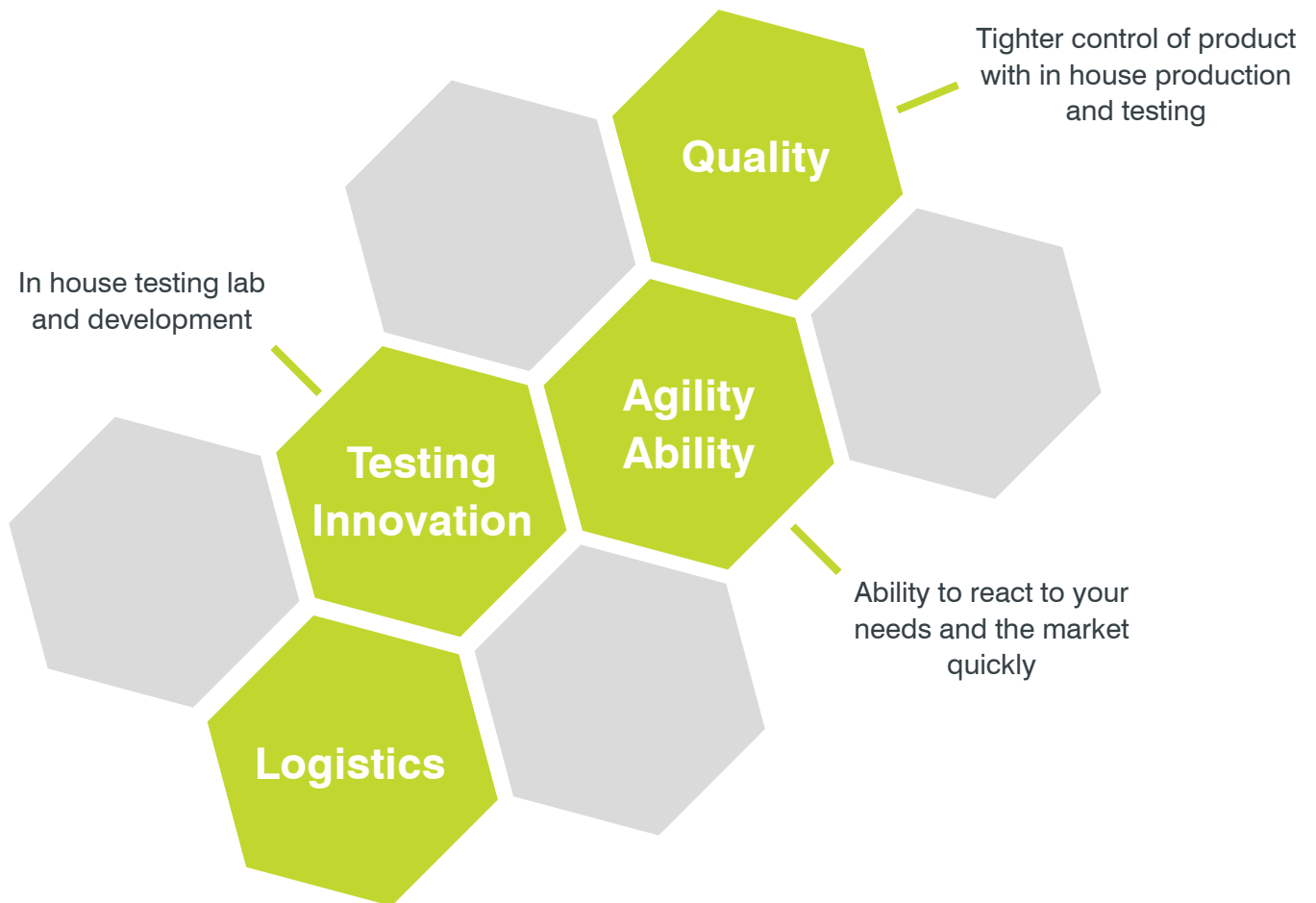
Fastener	1.2mm	1.4mm	1.6mm	2.0mm	2.5mm	2.8mm	3.2mm
LS COMP	3.20kN	3.25kN	3.9kN	4.98kN	7.3kN	8.6kN	9.45kN
Light Sec	3.06kN	3.08kN	3.4kN	5.18kN	7.1kN	8.54kN	9.0kN
Fastener	4mm	5mm	6mm				
HS COMP	9.6kN	10.0kN	12.0kN*	*Fastener failure in tension occurs prior to pull-out			
Heavy Sec	9.6kN	10.0kN	12.0kN*				

Stainless Steel Pull-Over Values

Test based on 16mm	0.7mm Steel Sheet	5.6kN
Steel bonded washers	1.2mm Steel Sheet	7.1kN

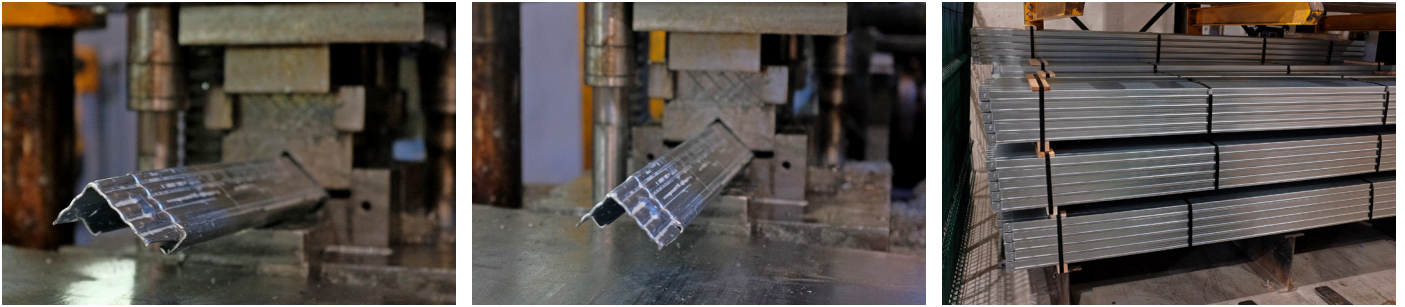
NB All values given are ultimate failure values – no safety factor included.

In House manufacturing

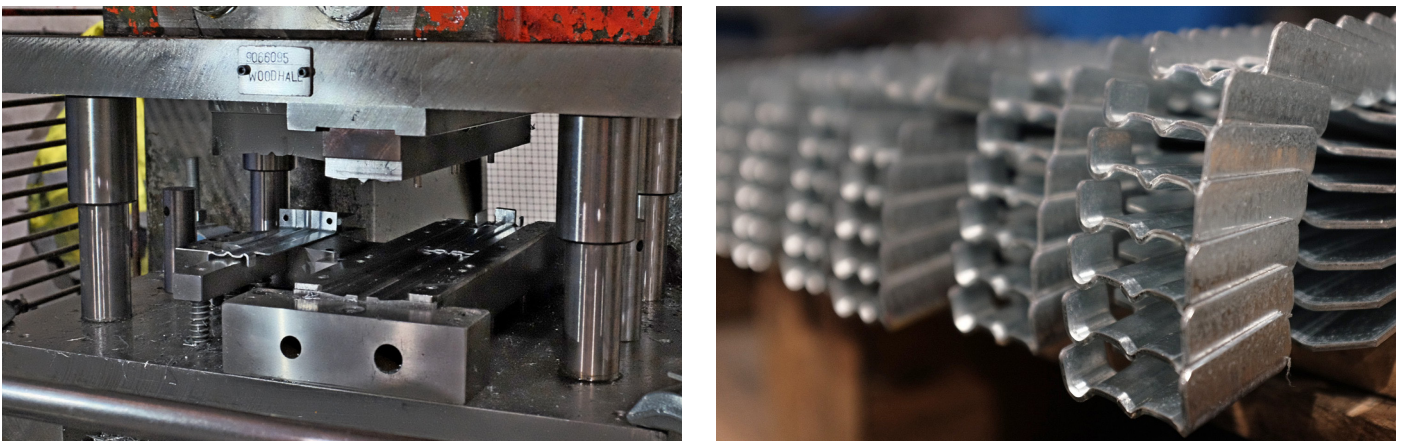


Quality we control

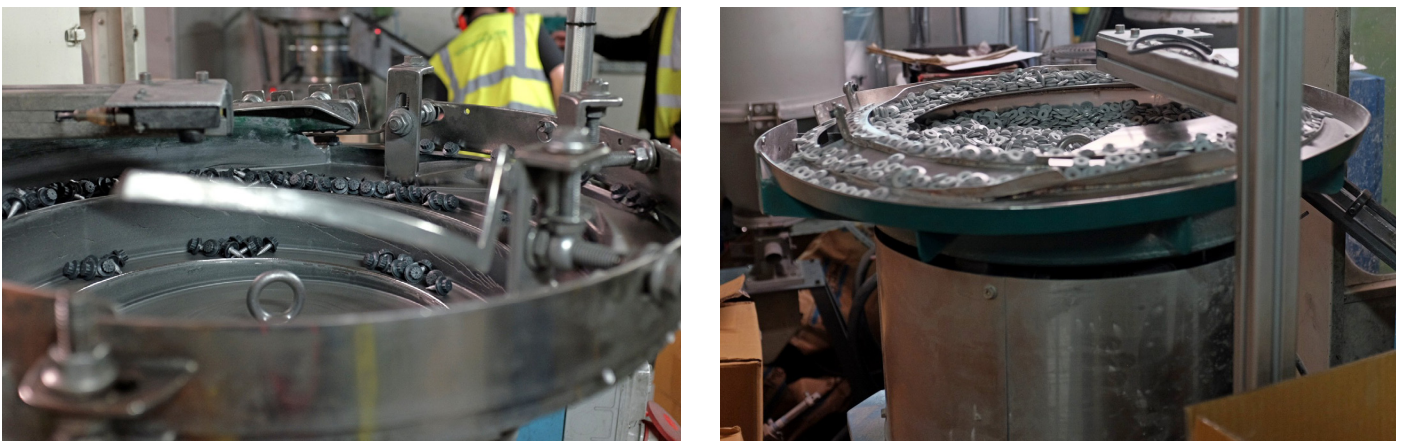
TechBar in-house Rolling



TechBar Bracket In-House Pressing

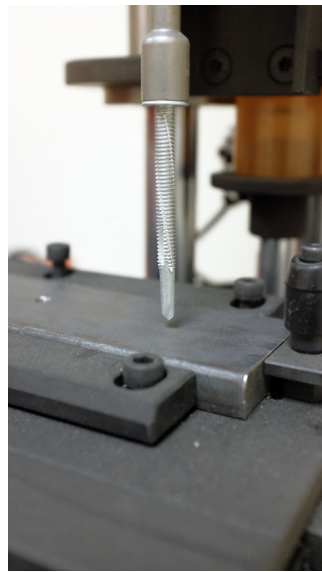


In House Automated Washer Assembly



In House Testing Facility

With over 100 years combined Fastener experience in our team Woodall's have the knowledge and experience to cover all fastener testing from inhouse to onsite we've got you covered from Drill Speed tests, Pull-Out Tests and Torque Test.



Contact us for more details

TECHBAR

Revolutionary Spacer Support Bar and Bracket System for Built Up, Twin Skin Roofing & Cladding Applications



TECHBAR marks the evolution of the support bar system.

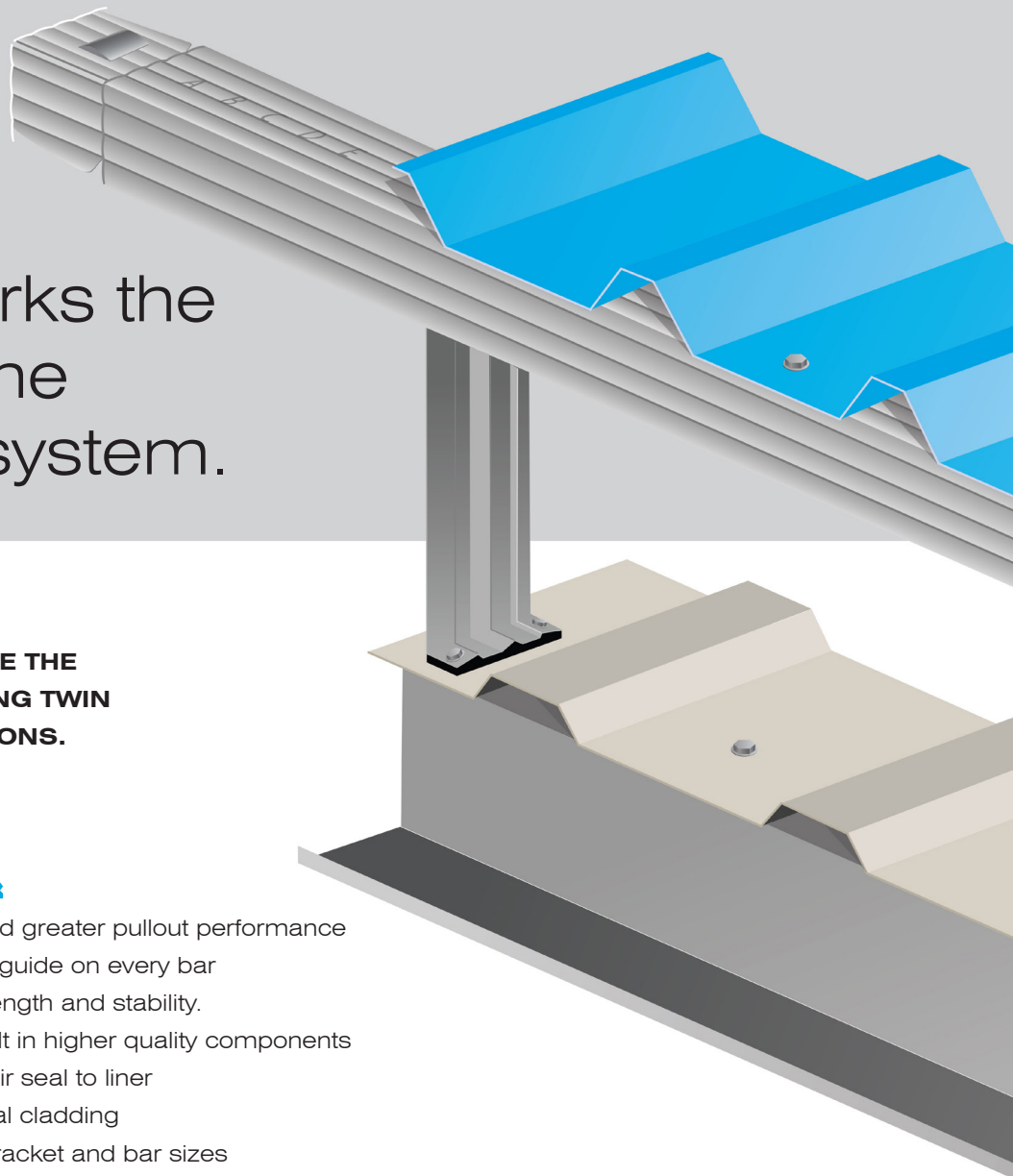
TECHBAR IS SET TO BECOME THE FIRST CHOICE FOR SUPPORTING TWIN SKIN & BUILT UP CONSTRUCTIONS.

THE FEATURES OF TECHBAR

- Four ribs offer superior strength and greater pullout performance
- Alphabetical TGB bracket location guide on every bar
- Bar to bar connecting for extra strength and stability.
- Advancements in galvanising result in higher quality components
- Thermal check-pad also creates air seal to liner
- May be fitted vertically for horizontal cladding
- Standard and bespoke range of bracket and bar sizes

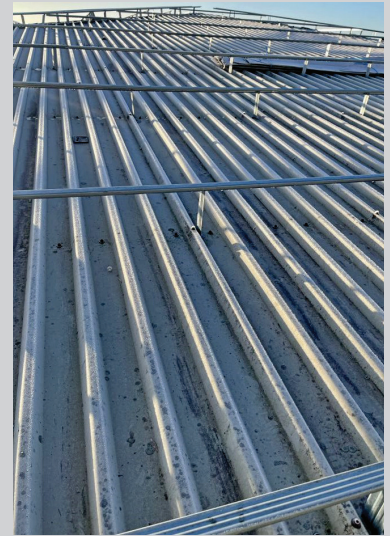
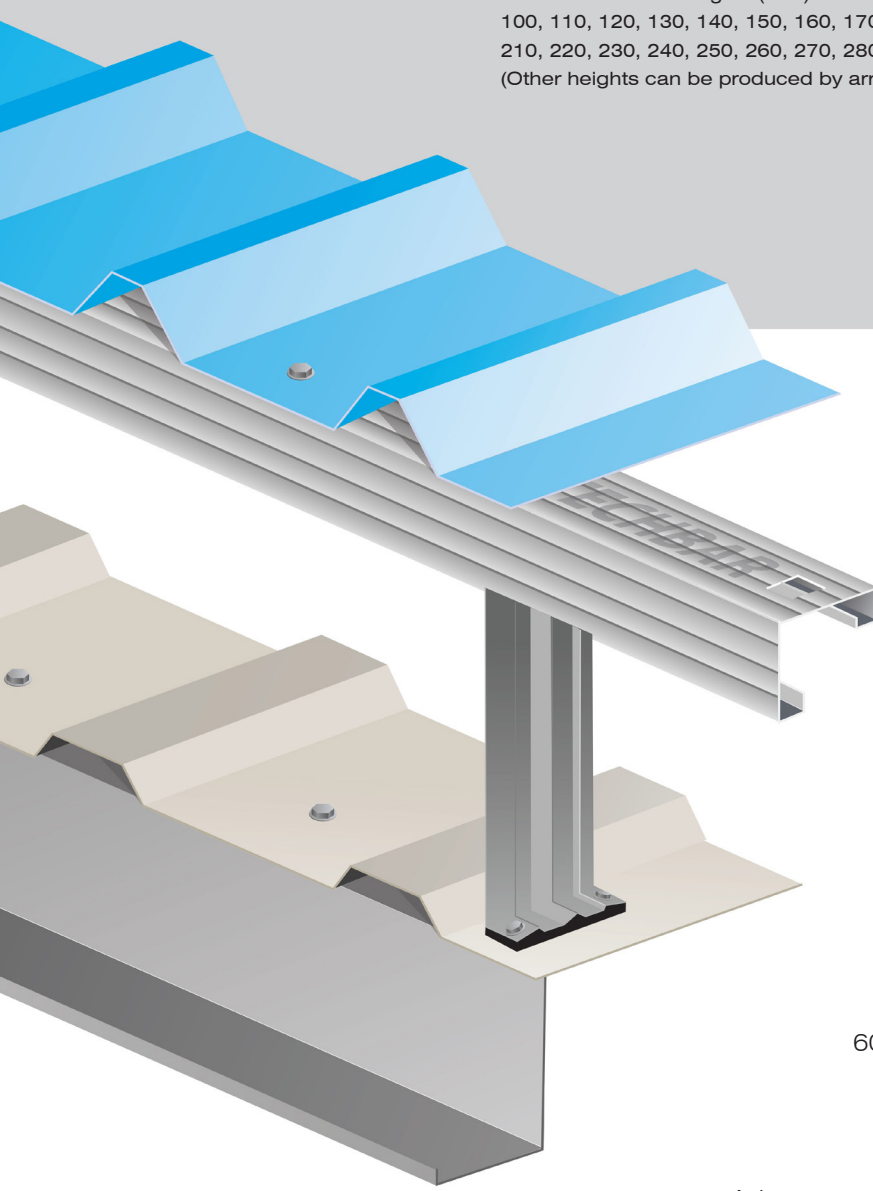
THE BENEFITS OF TECHBAR

- Faster yet more accurate to assemble, easy to fix in place
- More cost effective, reliable and safer to use
- Advancements in the engineering and production process have increased the quality, strength, stability and durability of
- Extensive technical support service including design and consultation
- Product has been independently tested
- Certified for 4 hour firewall use



The launch of **TECHBAR** marks a new and innovative time for the concept of the support bar system. Used for both new build and refurbishment applications, the high performance design and enhanced features of the **TECHBAR** system offer the roofing and cladding industry a far superior solution. Whether for new build or refurbished, for metal cladding of walls and roofs **TECHBAR** provides the complete energy efficient solution, designed to surpass the latest building regulations.

Standard Bracket Heights (mm)
 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200,
 210, 220, 230, 240, 250, 260, 270, 280, 290, 300
 (Other heights can be produced by arrangement)



TECHBAR SUPPORT BAR

With the increased number of ribs for higher strength. Manufactured from high quality 1.25mm galvanised steel to EN 10147, Available in lengths of 1,2 and 3m from stock. Other lengths by arrangement.

TECHBAR BRACKET

Improved design and added ribs mean increased strength. Manufactured from 1.60mm galvanised steel to EN 10147, with vapour seal pad/thermal insulator. Heights available from 60mm-280mm. Additional heights are available by special arrangement.

SIMPLE ASSEMBLY

Advancements in production facilities mean better installation
 Engage the lower bracket tab into the bar at the required location. Twist the bracket to engage the upper tab into the bar and continue twisting to lock the bracket into place.



TECHBAR guide to installation

TECHBAR has been designed to surpass the ever increasing demands of building regulations (Parts ADL1&2) but also with a view to aiding the installer during the often dangerous construction stage.

The construction phase is the most dangerous and the health and safety of the installer has become a major factor in the design of **TECHBAR**. From the connecting ends to the improved design of the actual bar and bracket the safety of the installers is at the forefront of our design.

BASIC FIXING PROCEDURE

Install profiled lining sheets to the structural purlins/rails with **TECHFIX**™ self-drilling fasteners; ensure that the liners are sealed correctly to obtain effective air movement control. For refurbishing older roofs, treat the old top sheet as the liner, and fit the new roof over the top.

TECHBAR brackets are twist-locked into the **TECHBAR** at intervals of approx. 1 metre to suit the liner profile. The locating guide that is printed on each bar will assist with the setting out at regular intervals. A bracket should be positioned within 100mm of the bar end joint. The assembly is positioned on the roof with the long 40mm leg of the bar facing upslope towards the ridge and fixed through the bracket base and liner and into the purlin with two **TECHFIX**™ self-drilling

fasteners per bracket.

Insulation, when required, is rolled out on to the liner, dressing around the bracket and under the bars to achieve continuous cover. (For Firewall applications this procedure differs, technical data available upon request) The top sheets are laid on to the and fastened down, using the **TECHFIX** self-drilling fasteners.

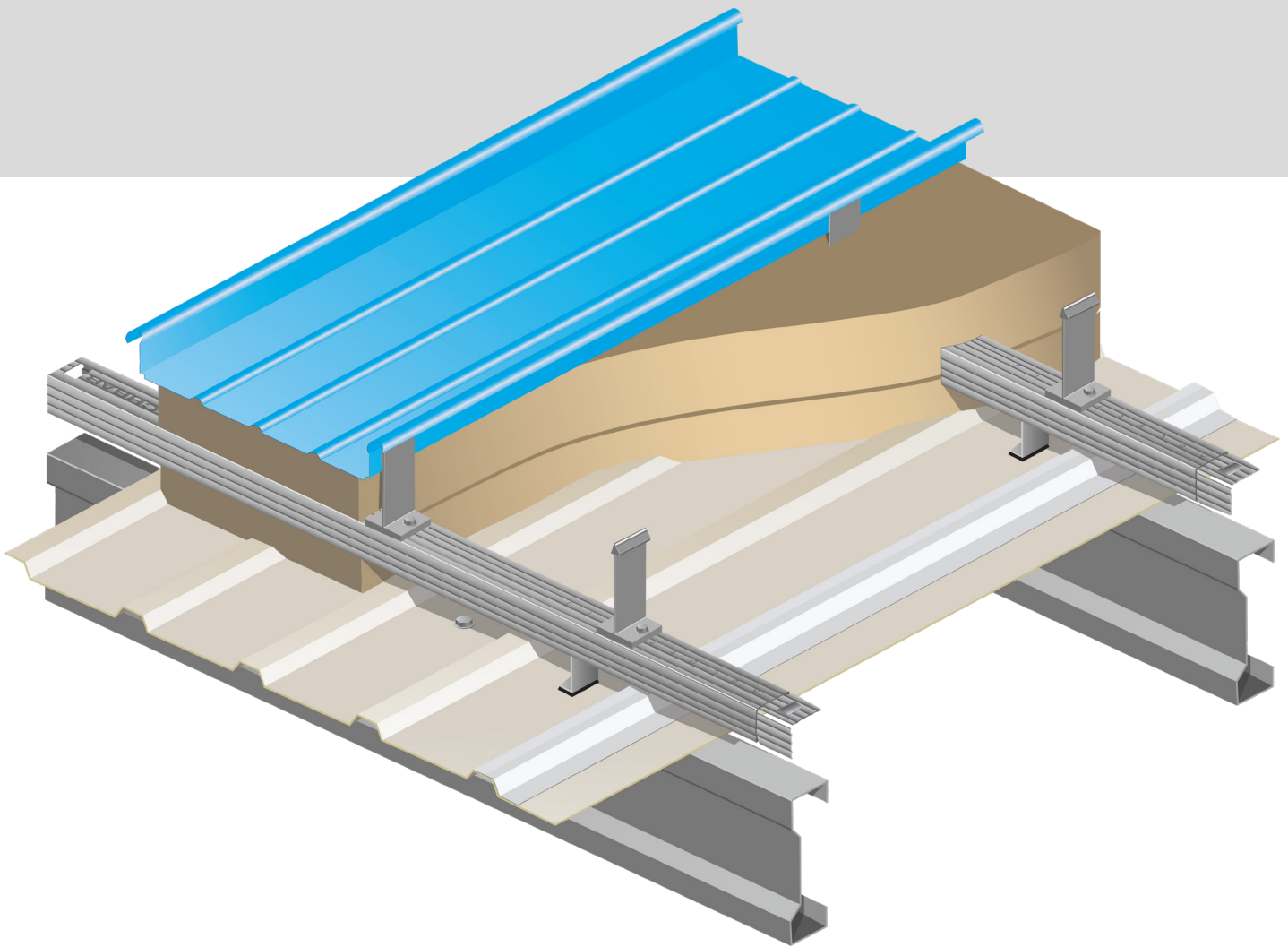
VERTICAL TECHBAR

The sheeting rail spacing and building design will dictate the position of the bars, which must be supported on a structural member. For further information on vertical installation, please contact our technical support department.

SEE PAGE 44 FOR BAR & BRACKET ASSEMBLY

Standing Seam

TECHBAR has been designed for standing seam halter systems to achieve a u-value of 0.25w/m² k in compliance with the requirement of ADL1&2. The **TECHBAR** engineered system is designed to minimise cold bridging and sound transmission. **TECHBAR** is designed to accommodate the greater thickness of insulation and longer sheet lengths now being specified, by resisting the movement forces these applications may impose. **TECHBAR** brackets involve minimal metal to metal contact by the inclusion of a thermal break pad at the base. In a typical standing seam build up, the aluminium halters are fixed at 300mm or 400mm centres thereby bridging the roof construction. When incorporating the **TECHBAR** support bar system into the roof build up, the effect of multiple thermal bridging is reduced, due to the fact that the support bracket can be fixed at 1000mm centres. This in turn can reduce the thickness of insulation necessary resulting in a roof construction that is structurally sound and easily meets thermal performance requirements.



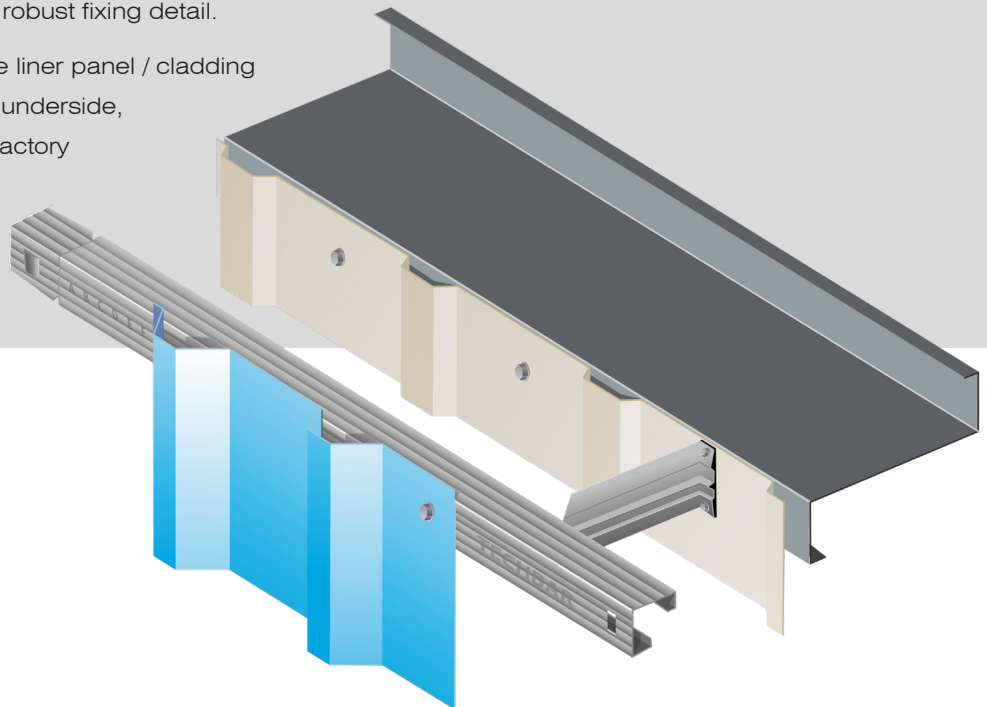
Vertical Sheeting on **TECHBAR**

Using **TECHBAR** spanning along principal cladding rails with brackets at 1.0m and 1.2m enables the cladding contractor to quickly and efficiently install vertical claddings.

The **TECHBAR** brackets are twisted into the support bar at the appropriate centres - 1.0m to 1.2m - aided by the bracket location guide permanently marked on every bar. The completed assembly is then offered up to the liner panels and fixed using two **TECHFIX** self drilling screws through each bracket.

With typical cladding rail centres at 1.8m and brackets spaced at 1.2m centres, service wind loads in excess of 1.0kN/m² can be resisted. Insulation is fitted under the **TECHBAR** system and secured using self-adhesive stickpins except where fire conditions dictate a more robust fixing detail.

The bracket foot is insulated from the liner panel / cladding rail via the thermal break pad on its underside, which also assists in achieving satisfactory air seal continuity.



Horizontal Sheeting on Top-hats

We have also developed an innovative top-hat system for spanning vertically across the cladding rails to support horizontal sheeting. These vertical bars can be made continuous by using splice joints. The top-hats are fixed on to bespoke TechWall Brackets with two self drilling fasteners (one per side). The TechWall Brackets are then fixed to the sheeting rail with two or more **TECHFIX** self drilling fasteners. This detail superbly distributes vertical load over all the sheeting rails. The TechWall vertical top-hat system provides excellent structural performance. With a general wind loading of 1kN/m² and typical rail centres of 1800mm, the TechWall system requires vertical top-hats at 1400mm c/c. Depending upon wind loading bars can be as far apart as 3000mm.

The **TECHBAR** support bar system allows insulation quilt to be laid with the minimal compression under the **TECHBAR** and around the brackets. It includes a thermal break on the base bracket to minimise cold bridging and energy loss.

Using typical twin skin components, **TECHBAR** will meet the requirements of the building regulations - Part L2 - without difficulty. **TECHBAR** brackets, being well spaced out across the roof do not cause significant cold bridging.

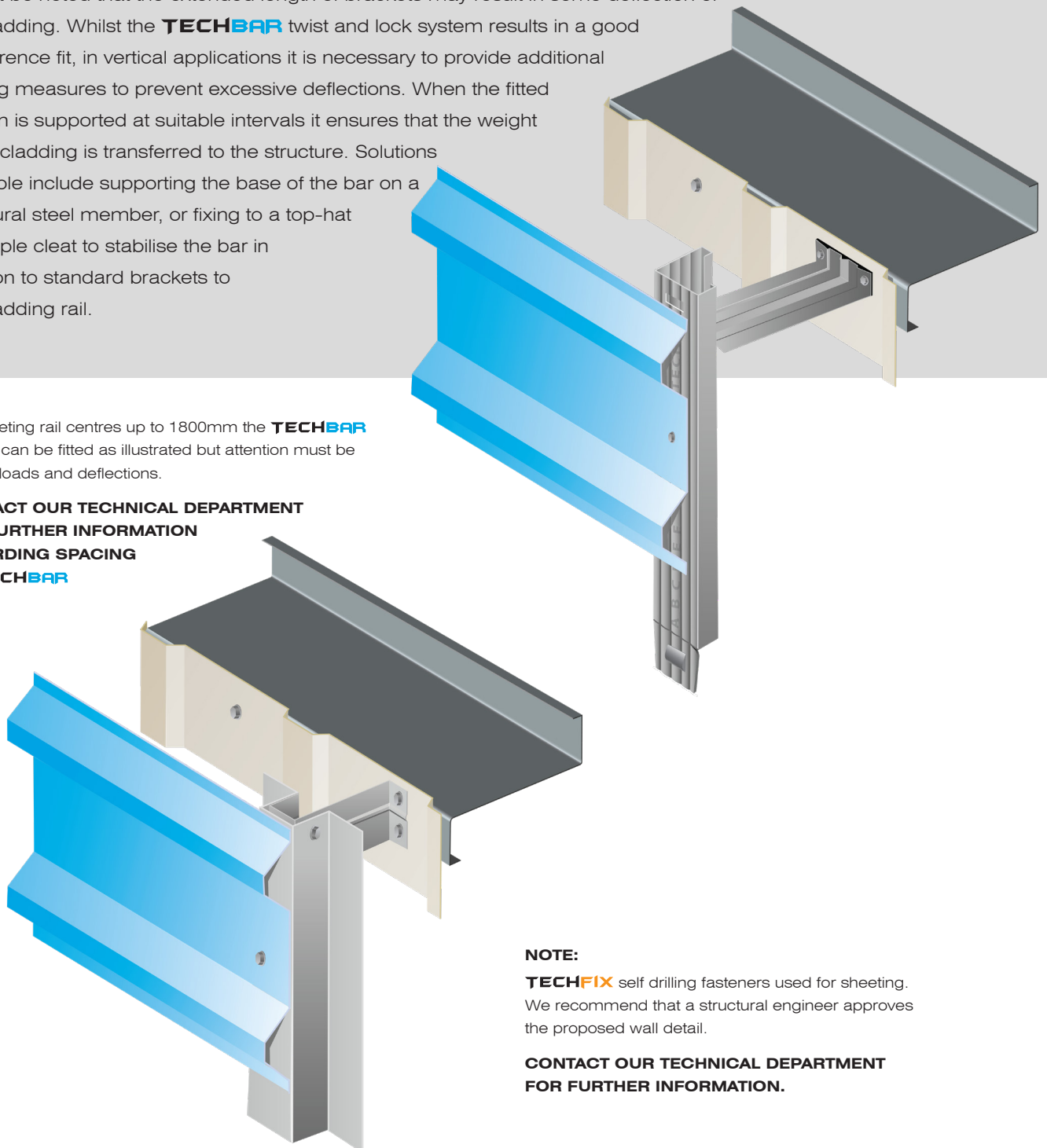
Horizontal Sheeting on **TECHBAR**

TECHBAR has been designed for vertical application of horizontal wall cladding with bracket depths up to 140mm and rail centres up to 2000mm apart. To achieve a safe working load of 1kN/m² using **TECHBAR** in multiple spans across the cladding rails, spaced at 2000mm in relation to the overall height of the building, it may be necessary to fix the **TECHBAR** at 600mm centres along the wall. However it must be noted that the extended length of brackets may result in some deflection of the cladding. Whilst the **TECHBAR** twist and lock system results in a good interference fit, in vertical applications it is necessary to provide additional antisag measures to prevent excessive deflections. When the fitted system is supported at suitable intervals it ensures that the weight of the cladding is transferred to the structure. Solutions available include supporting the base of the bar on a structural steel member, or fixing to a top-hat or simple cleat to stabilise the bar in addition to standard brackets to the cladding rail.

NOTE:

For sheeting rail centres up to 1800mm the **TECHBAR** system can be fitted as illustrated but attention must be paid to loads and deflections.

CONTACT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION REGARDING SPACING OF **TECHBAR**



NOTE:

TECHFIX self drilling fasteners used for sheeting. We recommend that a structural engineer approves the proposed wall detail.

CONTACT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

Firewall Application

FIREWALL TO COMPLY WITH ADL 1 & 2 THE BUILDING REGULATIONS

The objective of the firewall is to act as a barrier to the spread of fire and rigorous testing was carried out to ascertain how long it can retain its stability. The regulations state limits for how long the wall must remain stable and how long the insulation must last. This is important to inhibit the spread of the fire to enable a building to be safely evacuated. It is therefore imperative that the firewall is constructed in accordance with the tested sample as any deviation may result in the firewall not performing as expected.

Building Regulations define clearly the minimum fire safety requirements of building elements/requirements in two ways:

- Resistance to fire
- Reaction to fire

The basic concepts are the same in all regions of the UK and Ireland. Because of its strength, pre-finished steel roof and wall cladding complies very easily with the fire regulation in most cases.

THE BASICS

Fire performance requirements are a function of:-

- Building use, for example; commercial, industrial or residential
- Building storey area. The storey area, jointly with the building type, defines whether compartments are or are not required.

- Building Height: There are different provisions for high rise buildings. High rise buildings are considered to be over 18 metres in height.

- Building Location: Boundary buildings, i.e. those less than 1 metre from a boundary wall have different provisions in terms of the external surface of walls and performance of roof coverings.

Based on these criteria, the requirements are expressed in terms of minimum fire performance in up to three areas:

- Fire Resistance. This applies to systems such as panels and profiles rather than building materials. It measures the ability of a system to prevent the penetration of hot gases and flames as well as its ability to reduce the temperature rise on the unexposed side of the wall and therefore prevent fire spread through conducted heat.
- The performance of roofs in terms of exposure to external fire.
- Surface spread of flame/reaction to fire.

Performance is measured in tests defined in BS476, the British Fire Testing Standard.

Built up systems if appropriately designed, will meet the regulation requirements. Cladding manufacturers publish the fire performance of each of their systems.

For the building envelope, built up systems or insulation (PIRs or mineral and glass fibre) can meet the requirements of the building regulations or the insurers, provided they have been properly designed.

TechBar Spacer Systems - Firewalls

Details for walls which are 1mtr or more from the relevant boundary and require an insulation integrity of 15minutes and 4 hours integrity. **TECHBAR** has been Warrington Fire tested to meet this criteria and assessed in accordance to BS476: Part 22: 1987. Report Number: WF521996.

Standard depth constructions Internal Fire, rating 4 Hours:

Insulation:

2 x 80mm Glass Wool 23kg/m³ nominal density.

TechBar Bracket Depth:

160mm

Intumescent Pad:

Technofire 64854 750kg/m³ Nominal density to be installed between the base of bracket and liner panel.
Size 50mm x 50mm x 12mm.

Fixing Method:

2 x Layers of 80mm quilt insulation (uncompressed), one tucked under the **TECHBAR** bracket and held in place by Stick Pins, and one layer draped over the **TECHBAR** held in place by the outer sheet.

Liner panels to be riveted at 250mm centres, outer sheet stitched at 450mm centres.

Firewall Test



FIREWALL AT START OF TEST



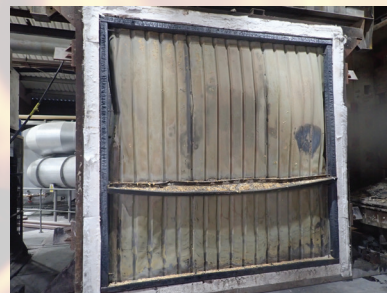
FIREWALL AFTER 30 MINS



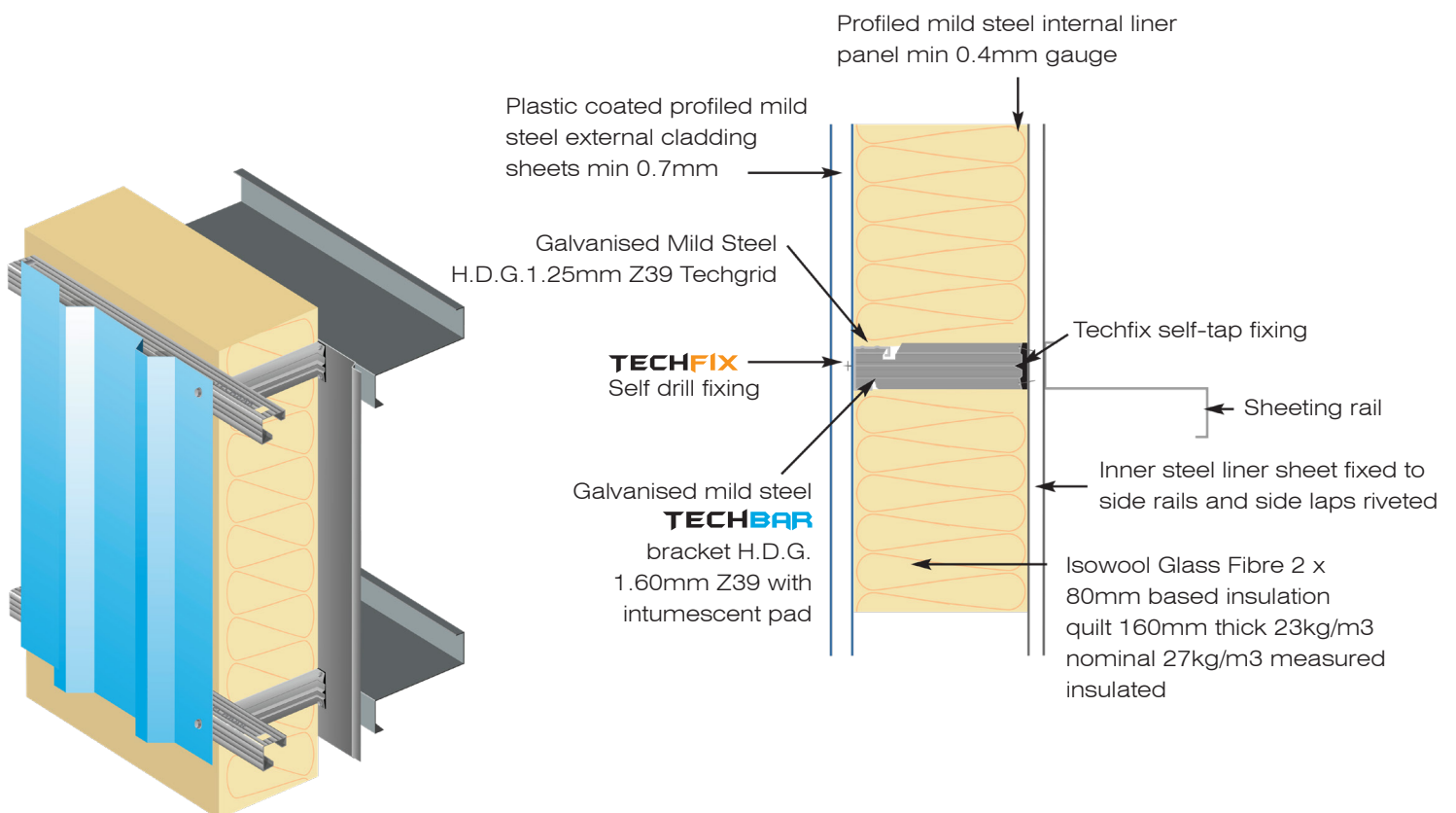
FIREWALL AFTER 1 HOUR



FIREWALL AFTER 4.24 HOURS



FIREWALL AFTER END OF TEST



TECHBAR Load Tables

BRACKETS @ 1000MM C/C POSITIVE LOADING (GRAVITY) ROOF & WALLS - BARS RUNNING HORIZONTALLY

Rail c/c	500mm	1000mm	1100mm	1200mm	1300mm	1400mm	1500mm	1600mm	1700mm	1800mm	1900mm	2000mm
Roof SWL kN/m ²	4.54	2.27	2.06	1.89	1.75	1.62	1.52	1.42	1.34	1.26	1.2	1.14
Wall SWL kN/m ²	5.18	2.59	2.35	2.16	1.99	1.85	1.73	1.62	1.53	1.44	1.37	1.3

BRACKETS @ 1000MM C/C NEGATIVE LOADING ROOF & WALLS - BARS RUNNING HORIZONTALLY

Rail c/c	500mm	1000mm	1100mm	1200mm	1300mm	1400mm	1500mm	1600mm	1700mm	1800mm	1900mm	2000mm
Roof SWL kN/m ²	3.38	2.34	2.13	1.97	1.8	1.67	1.56	1.46	1.38	1.3	1.23	1.17
Wall SWL kN/m ²	3.38	2.34	2.13	1.97	1.8	1.67	1.56	1.46	1.38	1.3	1.23	1.17

BRACKETS @ 1100MM C/C POSITIVE LOADING (GRAVITY) ROOF & WALLS - BARS RUNNING HORIZONTALLY

Rail c/c	500mm	1000mm	1100mm	1200mm	1300mm	1400mm	1500mm	1600mm	1700mm	1800mm	1900mm	2000mm
Roof SWL kN/m ²	4.06	2.03	1.85	1.69	1.55	1.45	1.36	1.27	1.19	1.13	1.07	1.02
Wall SWL kN/m ²	4.63	2.31	2.11	2.05	1.77	1.65	1.55	1.45	1.35	1.29	1.22	1.16

BRACKETS @ 1100MM C/C NEGATIVE LOADING ROOF & WALLS - BARS RUNNING HORIZONTALLY

Rail c/c	500mm	1000mm	1100mm	1200mm	1300mm	1400mm	1500mm	1600mm	1700mm	1800mm	1900mm	2000mm
Roof SWL kN/m ²	3.38	1.98	1.81	1.66	1.53	1.42	1.33	1.25	1.17	1.1	1.04	1.51
Wall SWL kN/m ²	3.38	1.98	1.81	1.66	1.53	1.42	1.33	1.24	1.17	1.1	1.04	1.51

BRACKETS @ 1200MM C/C POSITIVE LOADING (GRAVITY) ROOF & WALLS - BARS RUNNING HORIZONTALLY

Rail c/c	500mm	1000mm	1100mm	1200mm	1300mm	1400mm	1500mm	1600mm	1700mm	1800mm	1900mm	2000mm
Roof SWL kN/m ²	3.38	1.79	1.63	1.49	1.34	1.28	1.2	1.12	1.05	0.9	0.94	0.89
Wall SWL kN/m ²	4.09	2.04	1.86	1.7	1.53	1.46	1.37	1.27	1.19	1.13	1.07	1.01

BRACKETS @ 1200MM C/C NEGATIVE LOADING ROOF & WALLS - BARS RUNNING HORIZONTALLY

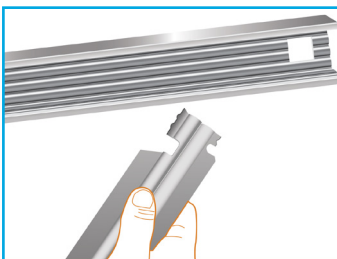
Rail c/c	500mm	100mm	1100mm	1200mm	1300mm	1400mm	1500mm	1600mm	1700mm	1800mm	1900mm	2000mm
Roof SWL kN/m ²	3.24	1.62	1.48	1.35	1.25	1.16	1.09	1.02	0.96	0.9	0.85	0.81
Wall SWL kN/m ²	3.24	1.62	1.48	1.35	1.25	1.16	1.09	1.02	0.96	0.9	0.85	0.81

NOTES:

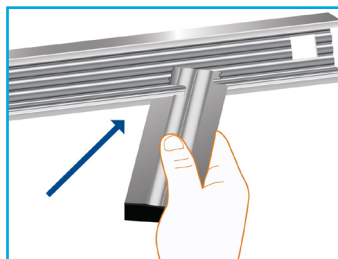
- 1) All loads are safe working loads i.e. Unfactored Service Loadings.
- 2) Deflection is limited to span/200 for all load zones
- 3) Uplift loads do not exceed the capacity of 2 No 5.5mm diameter screws in 1.6mm thick steel
- 4) Load factors of 1.4 for dead loadings and 1.6 for superimposed loadings (including wind)

Assembly Guide

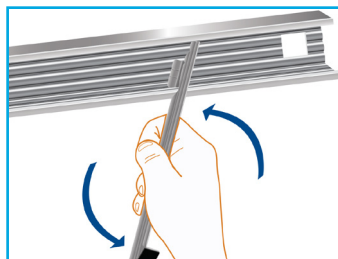
Movement 1



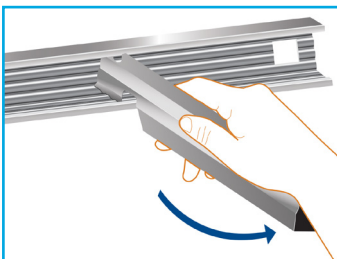
Movement 2



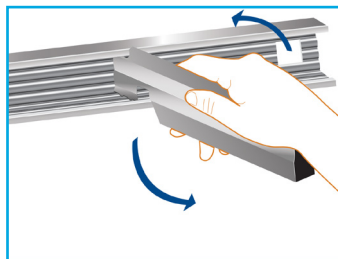
Movement 3



Movement 4



Movement 5



SIMPLE ASSEMBLY

Advancements in production facilities mean better installation. Engage the lower bracket tab in to the bar at the required location. Twist the bracket to engage the upper tab in to the bar and continue twisting to lock the bracket in to place.

TECHBAR being tested at Ceram test house in accordance with the industries' procedure.



Disclaimer

Responsibility for errors or omissions cannot be accepted, this catalogue is produced and issued as a product profile reference manual and should not be used as a technical reference or suggested installation method manual. All photographs are for guidance only and do not necessarily represent the products illustrated.

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Woodall Fastening Systems

Unit 18B, Hurst Business Park, Brewins Way, Brierley Hill DY5 1UF

Call: 01384 263900 | Email: sales@techscrew.com

www.techscrew.com