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Quality products, low prices.

All our cladding systems are made from top grade, lightweight aluminium. Low carbon footprint. Made in the UK.

Strong enough to do the job properly, but gentle on the planet.

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Significant savings.

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Optimised cladding system and rail layouts with specialist engineered solutions.

Kladfix brackets and rails are cost effective but very high quality. Developed from the highest specification alloys, they are suitable for supporting the most straightforward to the most demanding cladding materials.

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How it works

Brackets

It all starts with a bracket

Select which brackets you need, either by using our online **project checklist** or by using our product tables.

Rails and Fixings

Add the rail/s

Select which rails you may need. You are on your way to creating the system.

Our rainscreen systems

Add your extras and build the system

Check the extras that you need to complete your system, by using the product tables on the following pages.

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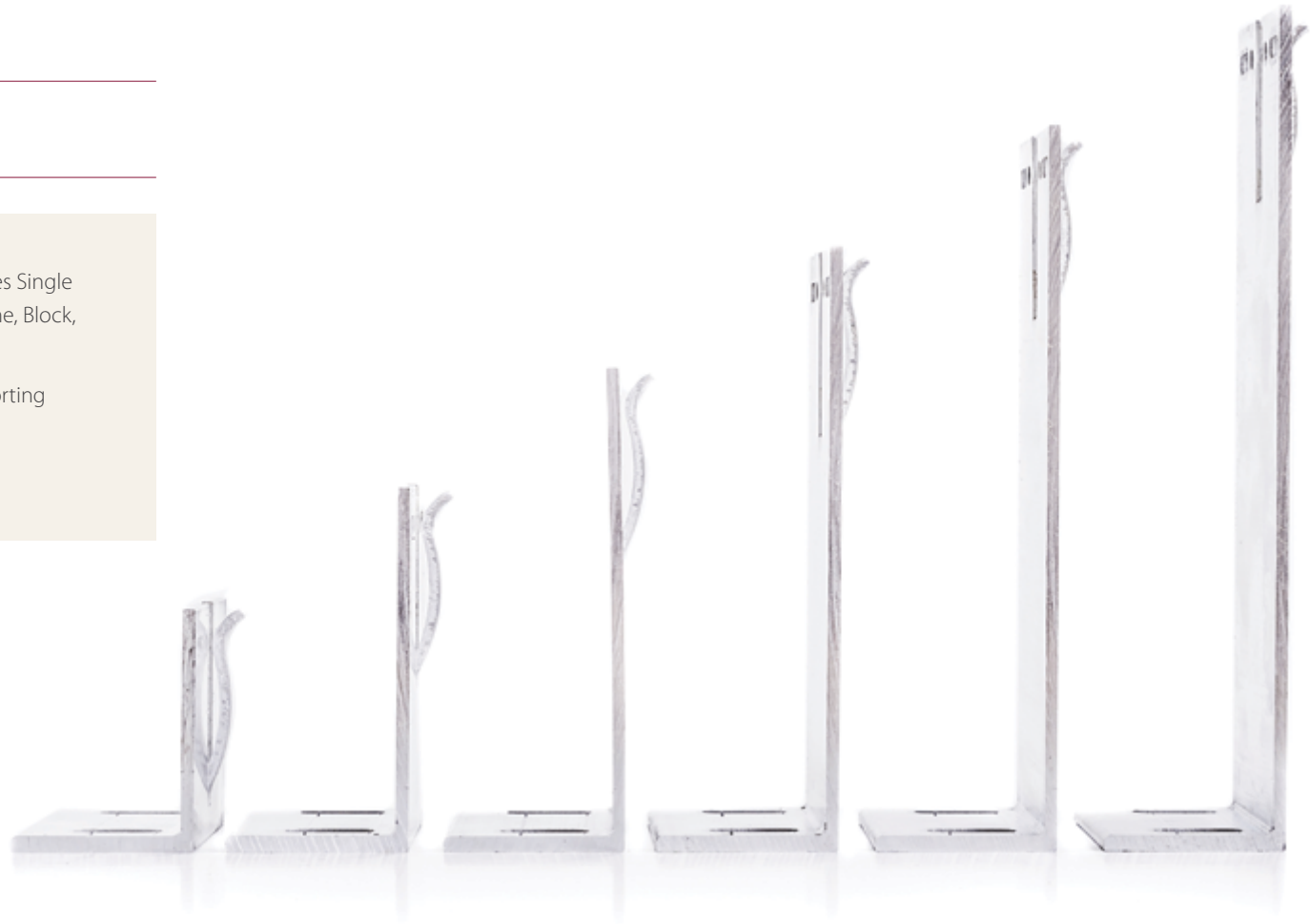
It all starts with a bracket

Best value and top quality.

Kladfix brackets come in standard dimensions of 40-270mm and in two sizes Single and Double. Kladfix brackets are pre-drilled to suit the substrate - Steel frame, Block, Concrete, Timber etc.

Developed from the highest specification alloys, they are suitable for supporting the most straightforward to the most demanding cladding materials.

Kladfix brackets and rails are cost effective and very high quality.



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Brackets

KXV Single	Size (mm)	6.5mm	11mm
		Brackets for steel / timber frame	Brackets for concrete block
	40	KXV040S-6.5	KVX40S-11
	60	KXV060S-6.5	KXV60S-11
	90	KXV090S-6.5	KXV90S-11
	120	KXV120S-6.5	KXV120S-11
	150	KXV150S-6.5	KXV150S-11
	180	KXV180S-6.5	KXV180S-11
	210	KXV210S-6.5	KXV210S-11
	240	KXV240S-6.5	KXV240S-11
	270	KXV270S-6.5	KXV270S-11

KXV Double	Size (mm)	6.5mm	11mm
		Brackets for steel / timber frame	Brackets for concrete block
	40	KXV040D-6.5	KXV040D-11
	60	KXV60D-6.5	KXV60D-11
	90	KXV90D-6.5	KXV90D-11
	120	KXV120D-6.5	KXV120D-11
	150	KXV150D-6.5	KXV150D-11
	180	KXV180D-6.5	KXV180D-11
	210	KXV210D-6.5	KXV210D-11
	240	KXV240D-6.5	KXV240D-11
	270	KXV270D-6.5	KXV270D-11

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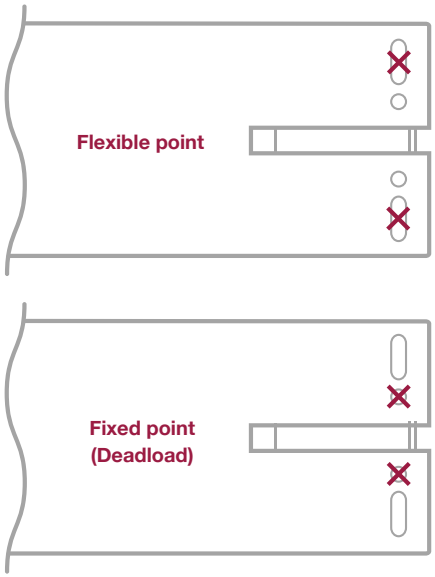
Isolators can be added seperately - Either add the thermoplastic isolator (single or double)
KXISO - or a Kladfix value foam isolator (single or double) **KXISO-FOAM**

Our Brackets

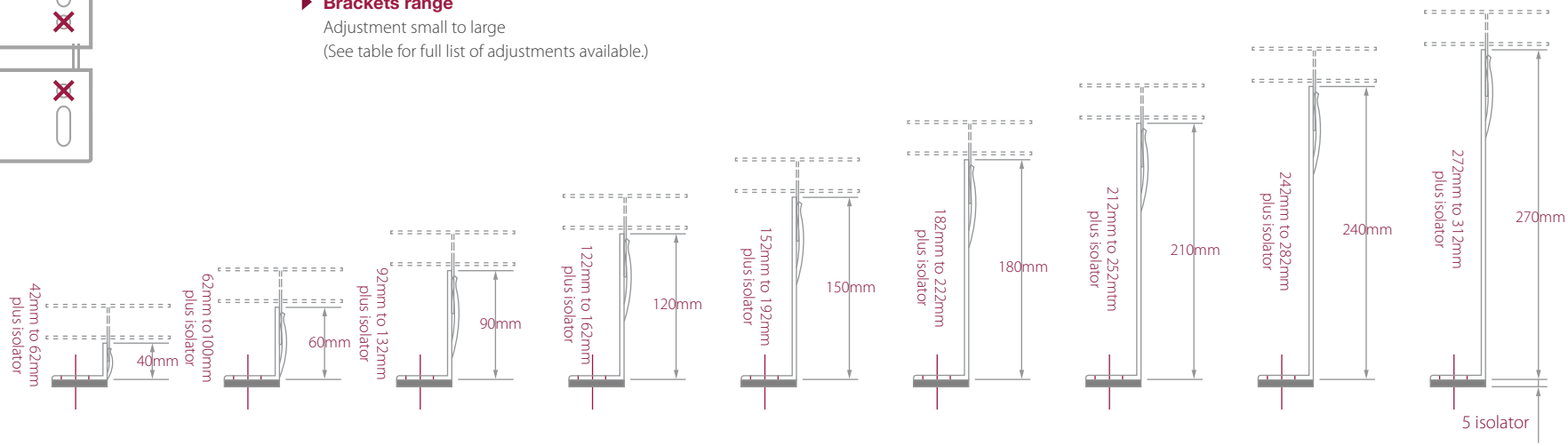
Technical diagrams



KXISO-S-FOAM/KXISO-D-FOAM
Single or Double

KXISO-S/KXISO-D
Single or Double

Brackets range
Adjustment small to large
(See table for full list of adjustments available.)



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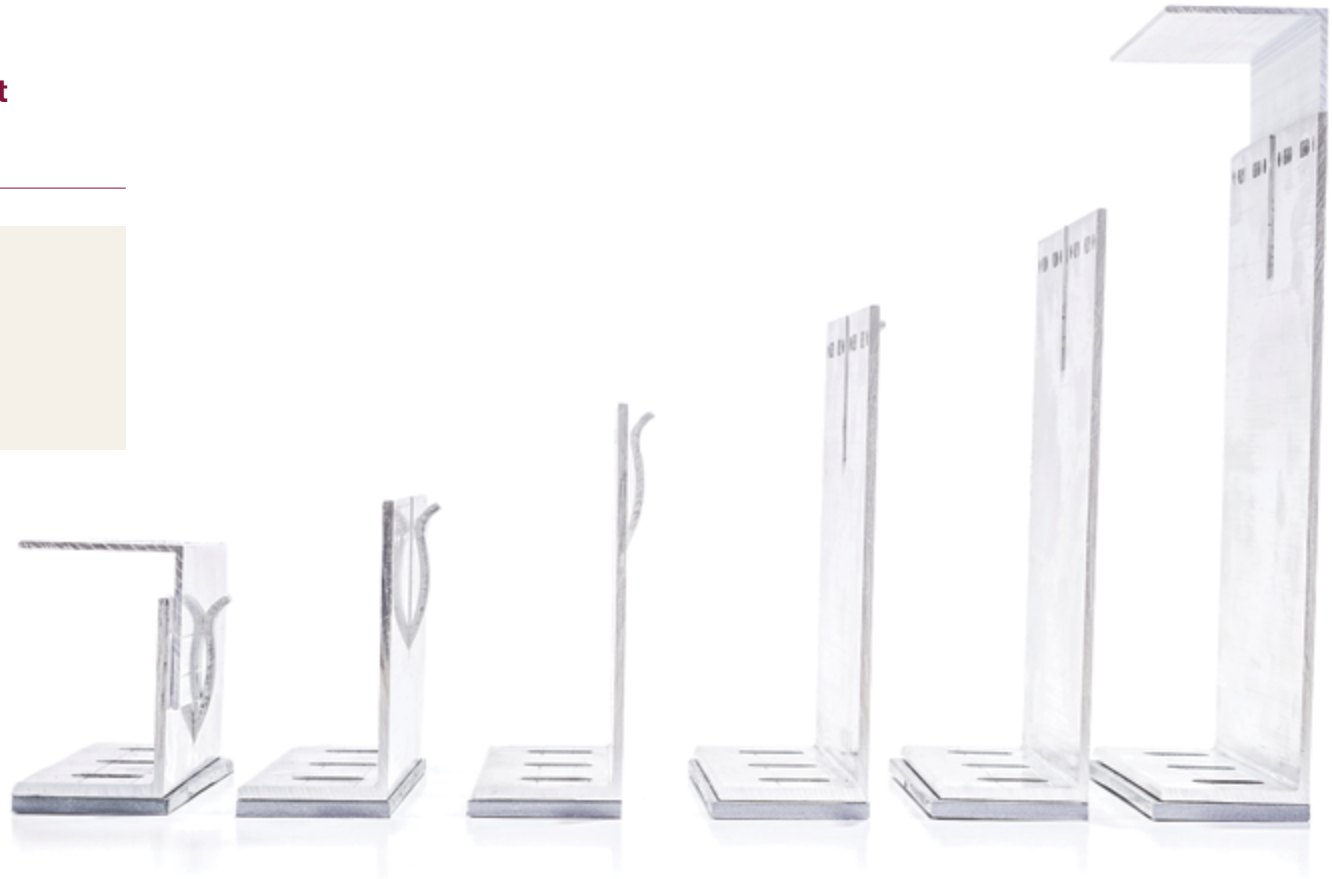
Add Kladfix rail/s and fixings

The relationship between the façade material and the cladding support system in the context of expansion must be considered.

The rails are clipped into the brackets and, after adjustment for line and level, are fixed to them using self-drilling stainless steel screws.

Quality build at value prices.



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Rails and Fixings

Kladfix Rails	
KXL50-50-2.2-3000	50 x 50 x 2.2mm L 3000 = 3 metre length (also comes in 6 metre and 4.85 metre)
KXT50-100-2.2-3000	50 x 100 x 2.2mm T 3000 = 3 metre length (also comes in 6 metre and 4.85 metre)

Additional Rails	
L60-40-2.2-3000	60 x 40 x 2.2mm L 3000 = 3 metre length (also comes in 6 metre and 4.85 metre)
T60-80-2.2-3000	60 x 80 x 2.2mm T 3000 = 3 metre length (also comes in 6 metre)
T60-100-2.2-3000	60 x 100 x 2.2mm T 3000 = 3 metre length (also comes in 6 metre and 4.85 metre)
T40-100-2.2-3000	40 x 100 x 2.2mm T 3000 = 3 metre length (also comes in 6 metre and 4.85 metre)
T60-120-2.2-3000	60 x 120 x 2.2mm T 3000 = 3 metre length (also comes in 6 metre and 4.85 metre)
T60-140-2.2-3000	60 x 140 x 2.2mm T 3000 = 3 metre length (also comes in 6 metre)

Omega and Zed profiles	
OM25-120-2.4-3000	25mm Omega 3000 = 3 metre length (also comes in 6 metre)
OM40-140-2.4-3000	40mm Omega 3000 = 3 metre length (also comes in 6 metre)
Z25-45-30-2.4-3000	25mm Zed 3000 = 3 metre length (also comes in 6 metre)
Z40-55-30-2.4-3000	40mm Zed 3000 = 3 metre length (also comes in 6 metre)

Fixings

Fixing	Reference	Detail
SR2 4.2 x 16	4.2-16	Rail to bracket
JT3 6.3 x 25	JT3-3-6.3x25S16	Metsec steel frame with no cement board or folded omega
JT3 6.3 x 38	JT3-3-6.3x38S16	Metsec steel frame with up to 12mm cement board
JT3 6.3 x 50	JT3-3-6.3x50S16	Metsec steel frame with up to 18mm cement board
SDF 10 x 60	SDF-KB-10-60	To block / concrete dependent on block strength thickness
SDF 10 x 80	SDF-KB-10-80	To block / concrete dependent on block strength thickness
SDF 10 x 100	SDF-KB-10-100	To block / concrete dependent on block strength thickness

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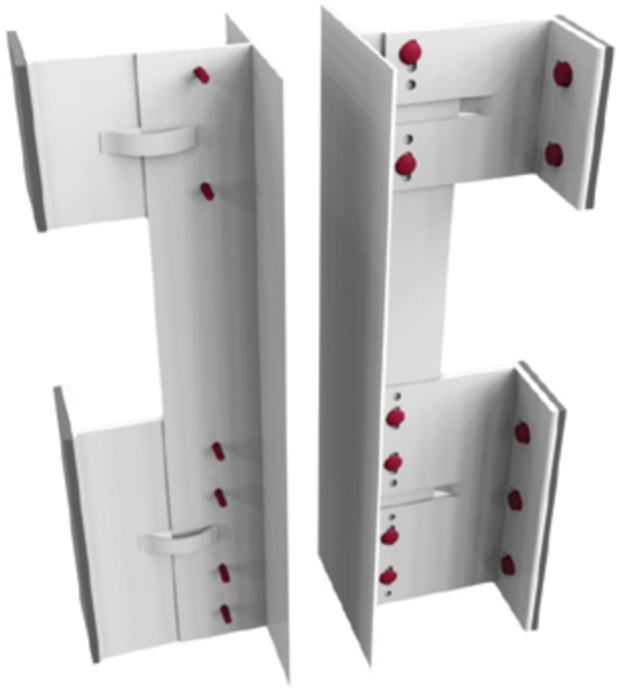
Our Cladding Support Systems

Developed from the highest specification alloys - suitable for supporting even the most demanding cladding materials.

We hold extensive stocks of our standard façade cladding support systems including brackets, components, extrusions and accessories in all configurations.

In-stock items are available for immediate delivery. Project specific, cut profile lengths and bespoke systems solutions are available. We turn things around super-fast.

You name it - we will make it happen.

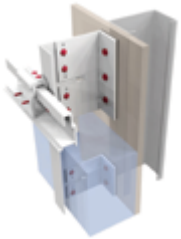


KX01

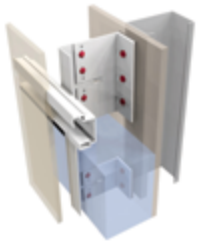
KX01
Back frame
/ Rivet fix applications

KX02
Concealed fix
- Structural bond

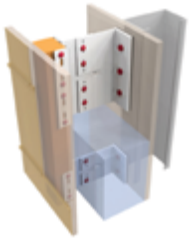
KX03
Concealed fix - Mechanical



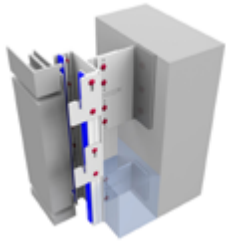
KX04
Concealed fix - Mechanical



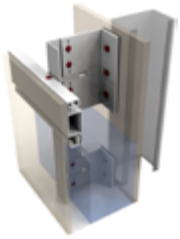
KX05
Concealed fix - Mechanical



KX06
Timber support system



KX07
Cassette



KX08
Concealed fix - Mechanical
and structural bond

KXH
Vertical to Horizontal
Adapter

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Generic cladding - Kladfix compatibility

Cladding Type	KX01	KX02	KX03	KX04	KX05	KX06	KX07	KX08	KXH
ACM	Ok	Ok					Ok	Ok	Ok
Aluminium	Ok	Ok					Ok	Ok	Ok
Brick Slip	Ok								Ok
Ceramic	Ok	Ok	Ok					Ok	Ok
Copper						Ok			
Fibre Cement	Ok	Ok	Ok					Ok	Ok
Fibre Concrete	Ok	Ok	Ok					Ok	Ok
GRC	Ok	Ok	Ok					Ok	Ok
GRP	Ok	Ok	Ok					Ok	Ok
Glass / Foil	Ok	Ok						Ok	Ok
HPL - High Pressure Laminate	Ok	Ok	Ok	Trespa only	Trespa only			Ok	Ok
Photovoltaic	Ok						Ok		Ok
Render	Ok					Ok			Ok
Stainless Steel	Ok	Ok				Ok	Ok	Ok	Ok
Terracotta	Ok								Ok
Timber	Ok					Ok			Ok
Timber Laminate	Ok	Ok						Ok	Ok
Thinstone	Ok	Ok	Ok					Ok	Ok
Weather Boarding	Ok					Ok			Ok
Zinc	Ok					Ok	Ok		Ok

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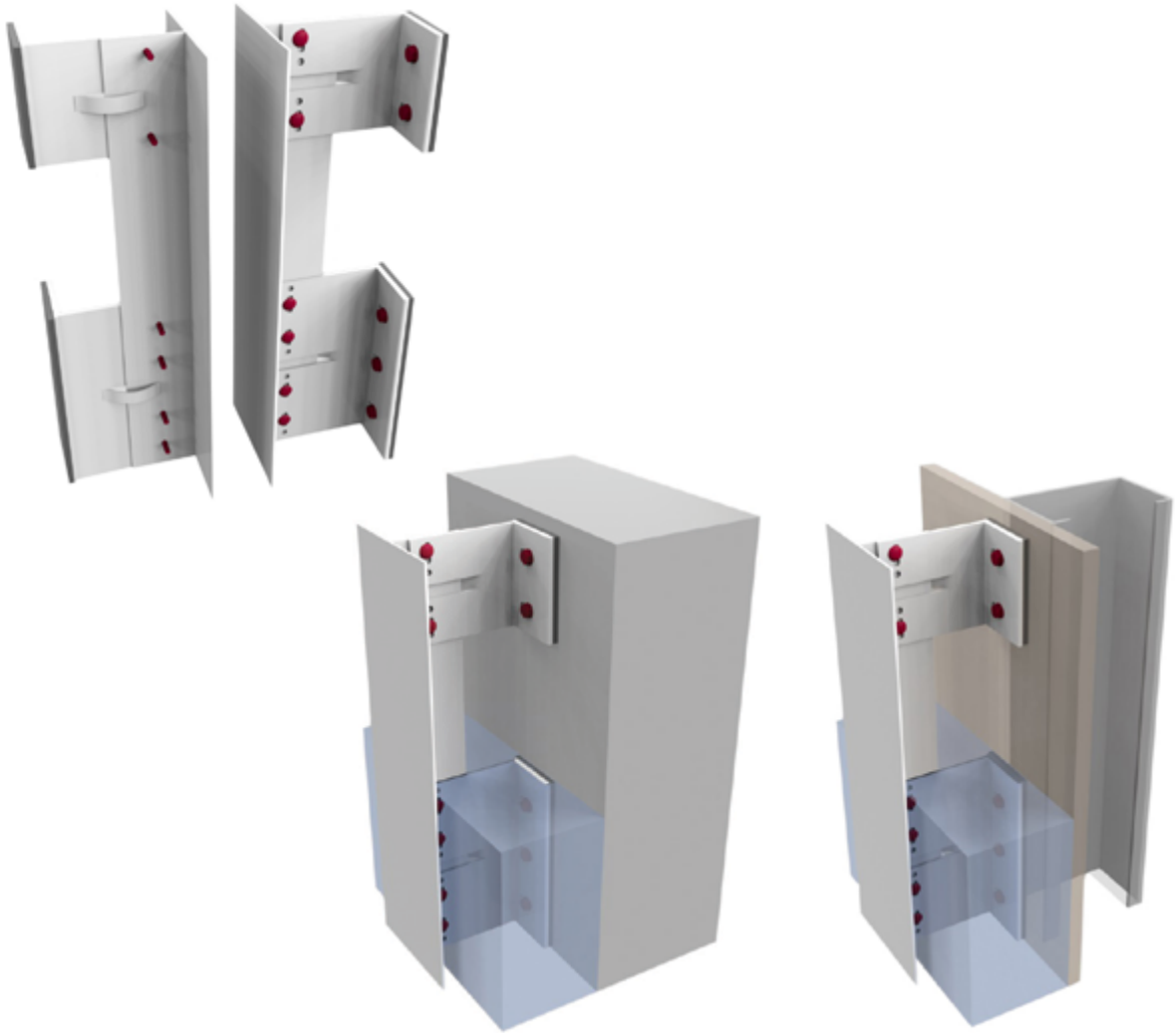
KX01

KX01 is the Kladfix back frame – vertical cladding applications.

Suitable as a back frame system – KX01 is suitable for face fixing / rivet fixing cladding – elements to e.g. fibre cement, high-pressure laminate (HPL), ACM and metal rainscreen panels.

KX01 is the basis of all Kladfix systems.



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KX01

KX01
Detail

KX01 is the basis for all Kladfix systems. Please see the previous **Brackets / Rails and Fixings** pages for component information.

Range of adjustment - Dims DON'T include Kladfix isolators - if isolators are required - increase dims in table (min / max) by 5mm.

Range of adjustment - 50 x 50mm 'L' or 100 x 50mm 'T'

Size (mm)	**Min** (mm)	**Max** (mm)
60	75	90
90	92	122
120	122	152
150	152	182
180	182	212
210	212	242
240	242	272
270	272	302

Range of adjustment - 60 x 40mm 'L' or 100 x 40mm 'T'
(40mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
40	42	62
60	62	80

Range of adjustment - 60 x 40mm 'L' or 100 x 60mm 'T'
(60mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
90	92	132
120	122	162
150	152	192
180	182	222
210	212	252
240	242	282
270	272	312

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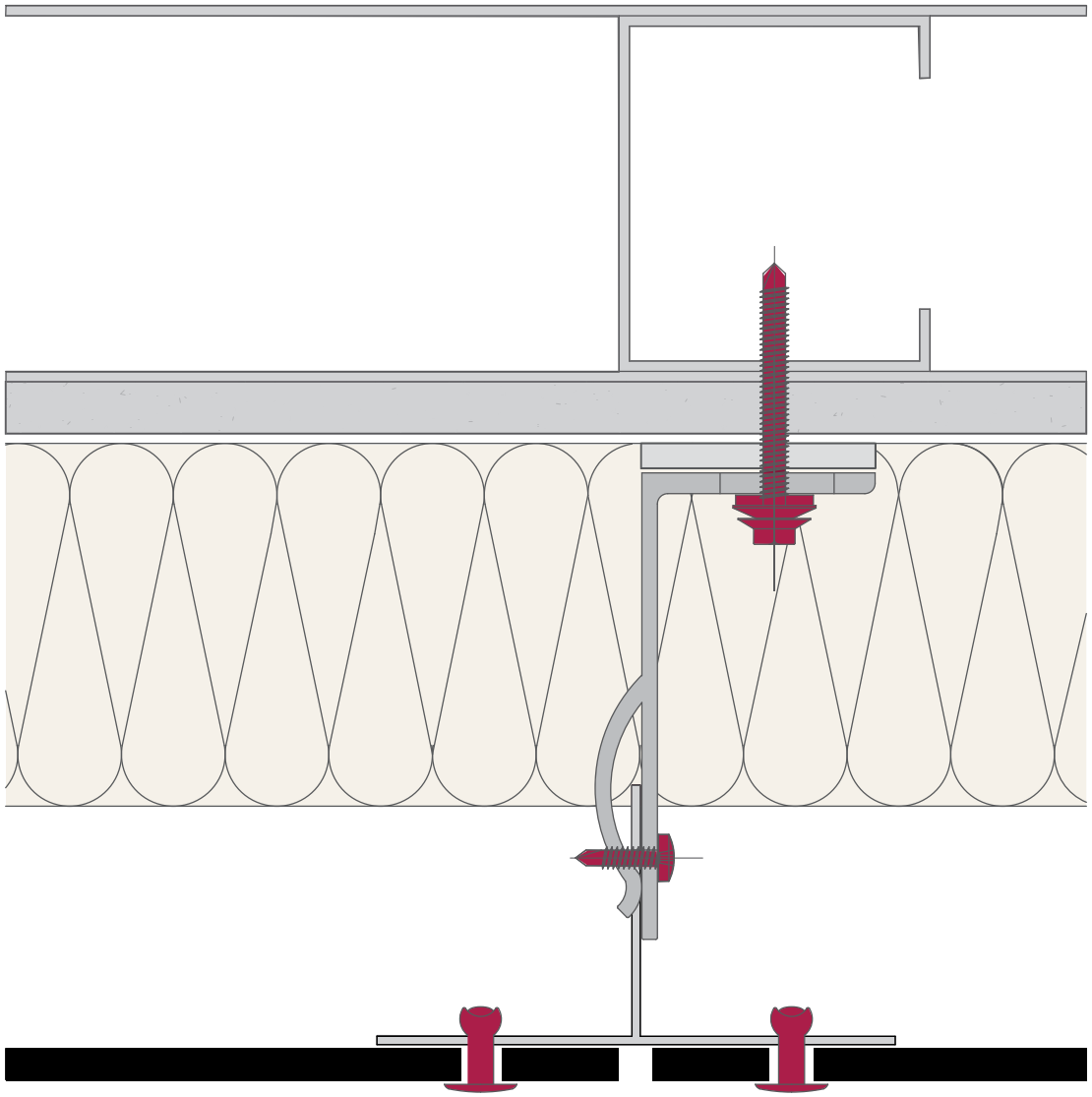
KX01

Cross section



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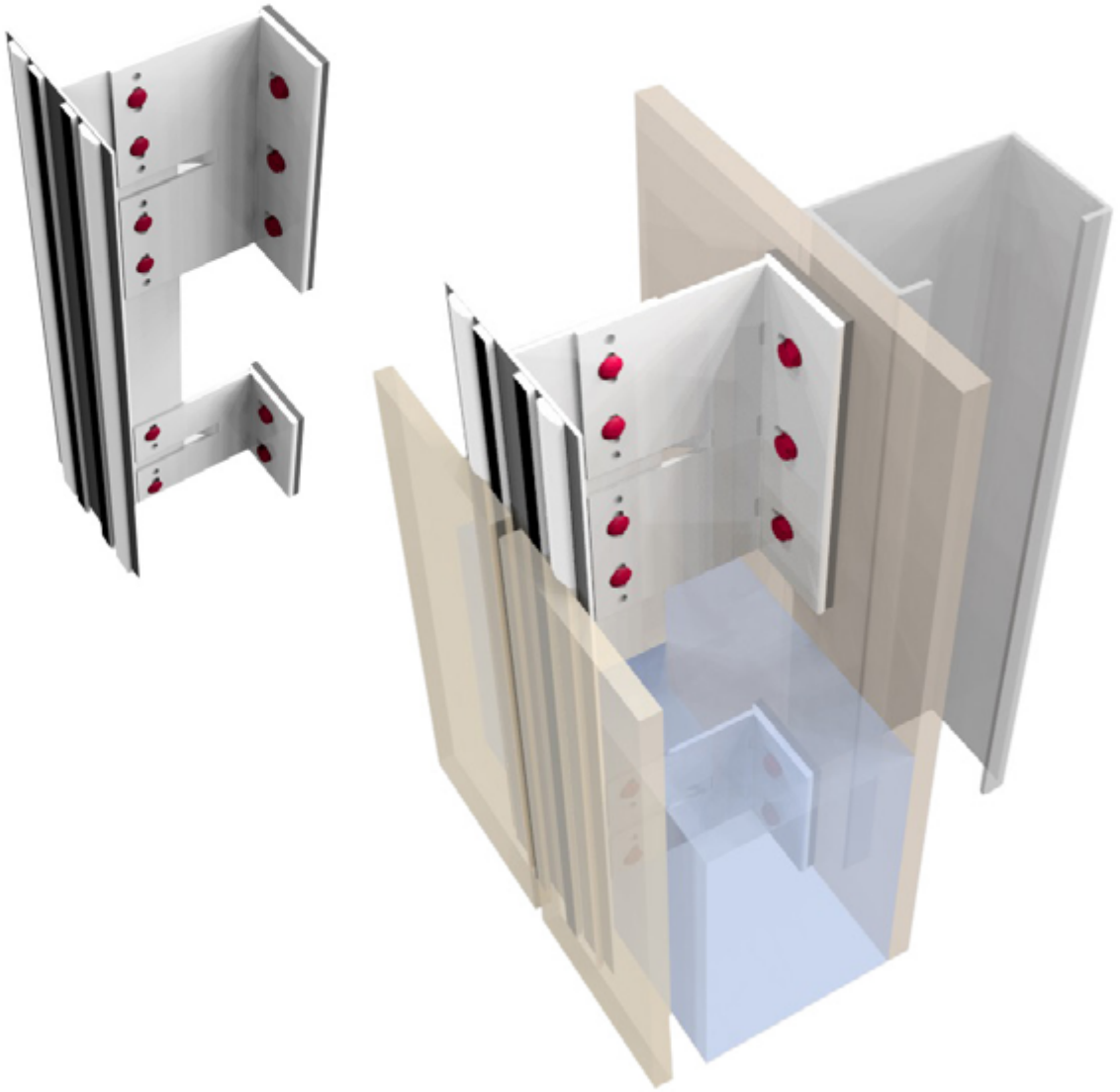
KX02

KX02 is the Kladfix system for concealed fix / structural bonding applications.

KX02 is suitable for concealed fix cladding applications – structural bond (Sika sikatack panel system) – elements to e.g. fibre cement, high-pressure laminate (HPL), ACM and metal rainscreen panels.

All fixed point brackets absorb both vertical dead loads and wind loading.



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KX02

KX02
Structural adhesive

KX02	KX02 = KX01 + structural adhesive		
	Select KX01 components (bracket and rail) - then - select KX02 structural adhesive requirements		
	Component	**Reference**	**Detail**
	Sika		
	Adhesive - 600cc 'sausage'	**STS-600**	600cc = 13 metre coverage
	Adhesive - 600cc 'sausage' (Tectiva only)	**STS-50-600**	600cc = 13 metre coverage = 6 metre coverage
	Adhesive - 300cc 'cartridge'	**STC-300**	300cc = 6 metre coverage
	Tape (33m)	**STT-33M**	33m coverage
	Activator 205	**STA-205-1LTR**	285m coverage (50mm wide)
	Primer 1ltr	**STPP-1LTR**	125m coverage (5mm wide)
	Primer 1ltr (Tectiva board only)	**STPP-210-1LTR**	125m coverage (5mm wide)

Range of adjustment - Dims DON'T include Kladfix isolators - if isolators are required - increase dims in table (min / max) by 5mm.
Dims in tables on right include 3mm - Sika.

Range of adjustment - 50 x 50mm 'L' or 100 x 50mm 'T'

Size (mm)	**Min** (mm)	**Max** (mm)
60	75	90
90	95	125
120	125	155
150	155	185
180	185	215
210	215	245
240	245	275
270	275	305

Range of adjustment - 60 x 40mm 'L' or 100 x 40mm 'T'
(40mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
40	45	65
60	65	83

Range of adjustment - 60 x 40mm 'L' or 100 x 60mm 'T'
(60mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
60	89	103
90	95	135
120	125	165
150	155	195
180	185	225
210	215	255
240	245	285
270	275	315

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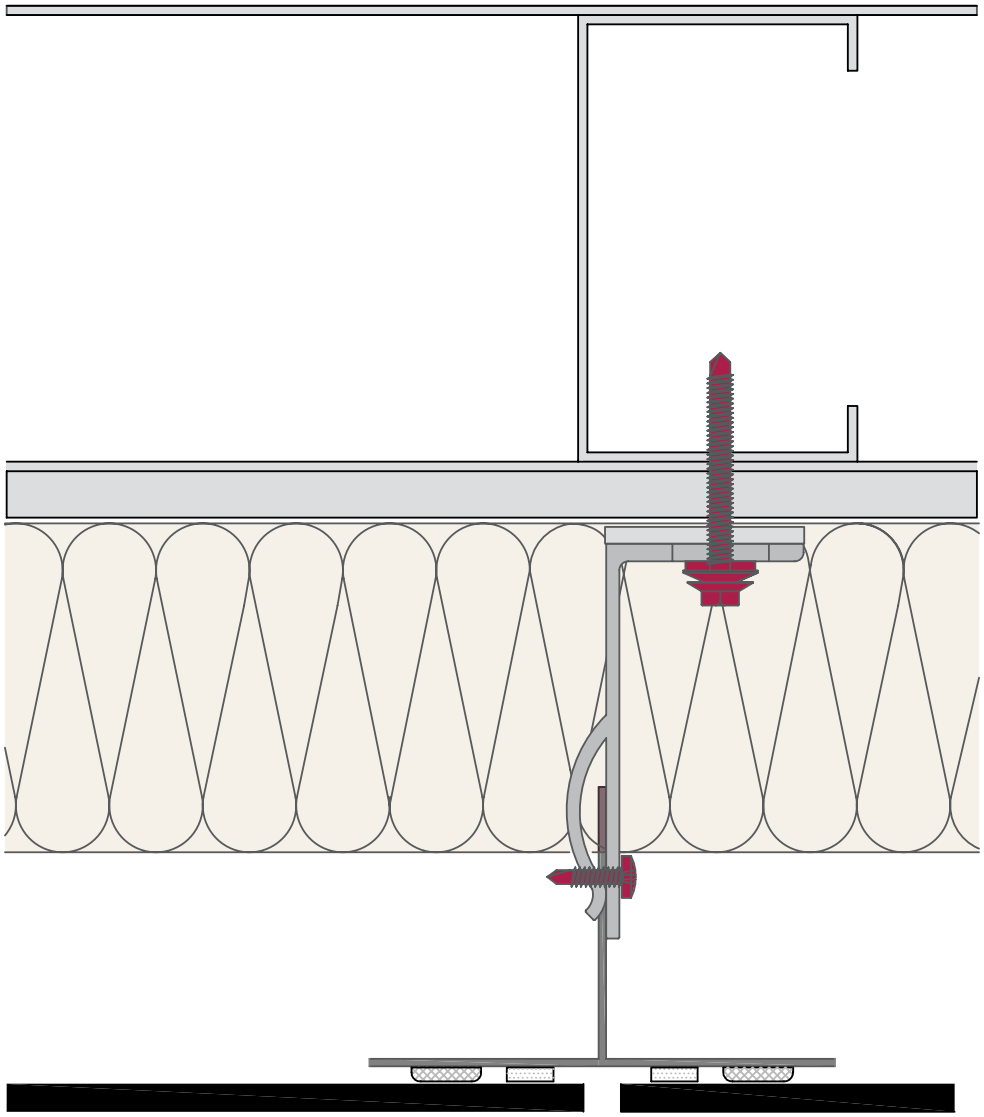
KX02

Cross section



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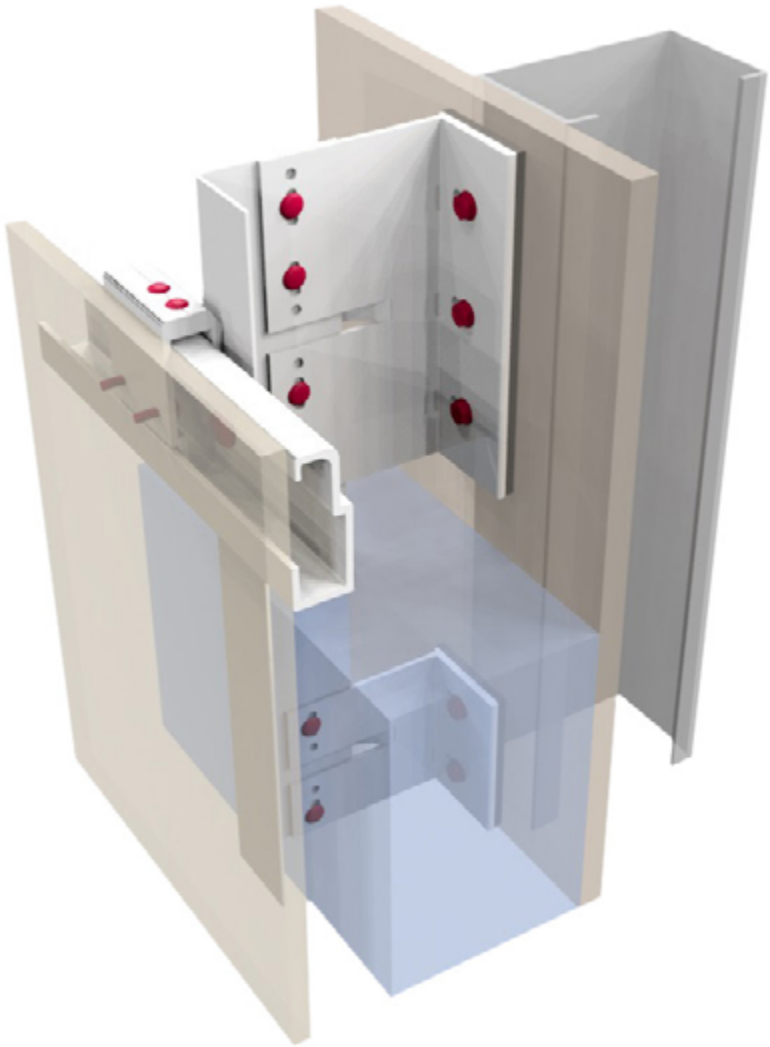

KX03

KX03 is the Kladfix system for concealed fix / mechanically fixed applications.

KX03 elements – fibre cement, high-pressure laminate (HPL), ceramic, thin stone etc. Horizontal Kladfix channel profiles are fixed to the vertical profiles. Rainscreen panels are hung from and secured with hangers and adjustable hangers.

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KX03

KX03
Adjustable hanger

KX03	KX03 = KX01 + KX03 components (mechanical concealed fix)		
	Select KX01 components (bracket and rail) - then - select KX03 components		
	Component	**Reference**	**Detail**
	Main KX03 horizontal rail	**CP-NV3-3000**	3000 = 3 metre length (can be 6 metre)
	Adjustable hangers	**NV3-PTS-ADJF** / **NV3-KEIL-ADJF**	Either / or PTS or KEIL Supplied with an adjusting screw (Specials can be supplied)
	Fixed hangers	**NV3-PTS-STAT** / **NV3-KEIL-STAT**	
	Fixings		
	SR2 4.2 x 16	**4.2-16**	Rail to bracket
	SR2 4.8 x 19	**4.8-19**	Main horizontal rail to 50x50 2.2 L rail
	Hanger securing screw	**JT3-3-5.5X50S16**	5.5mm x 50mm securing screw
	PTS screws 11.5	**PTS-60/11.5**	HPL / board (10mm)
	PTS screws 14.5	**PTS-60/14.5**	HPL / board (13mm)
	Keil anchors	**On request**	Thin stone / ceramic / fibre concrete

Range of adjustment - Dims DON'T include Kladfix isolators - if isolators are required - increase dims in table (min / max) by 5mm.
Dims in above tables include 26mm - Kladfix KX03 horizontal rail and hanger.

Range of adjustment - 50 x 50mm 'L' or 100 x 50mm 'T'

Size (mm)	**Min** (mm)	**Max** (mm)
60	101	116
90	118	148
120	148	178
150	178	208
180	208	238
210	238	268
240	268	298
270	298	328

Range of adjustment - 60 x 40mm 'L' or 100 x 40mm 'T'
(40mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
40	68	88
60	88	106

Range of adjustment - 60 x 40mm 'L' or 100 x 60mm 'T'
(60mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
60	112	126
90	118	158
120	148	188
150	178	218
180	208	248
210	238	278
240	268	308
270	298	338

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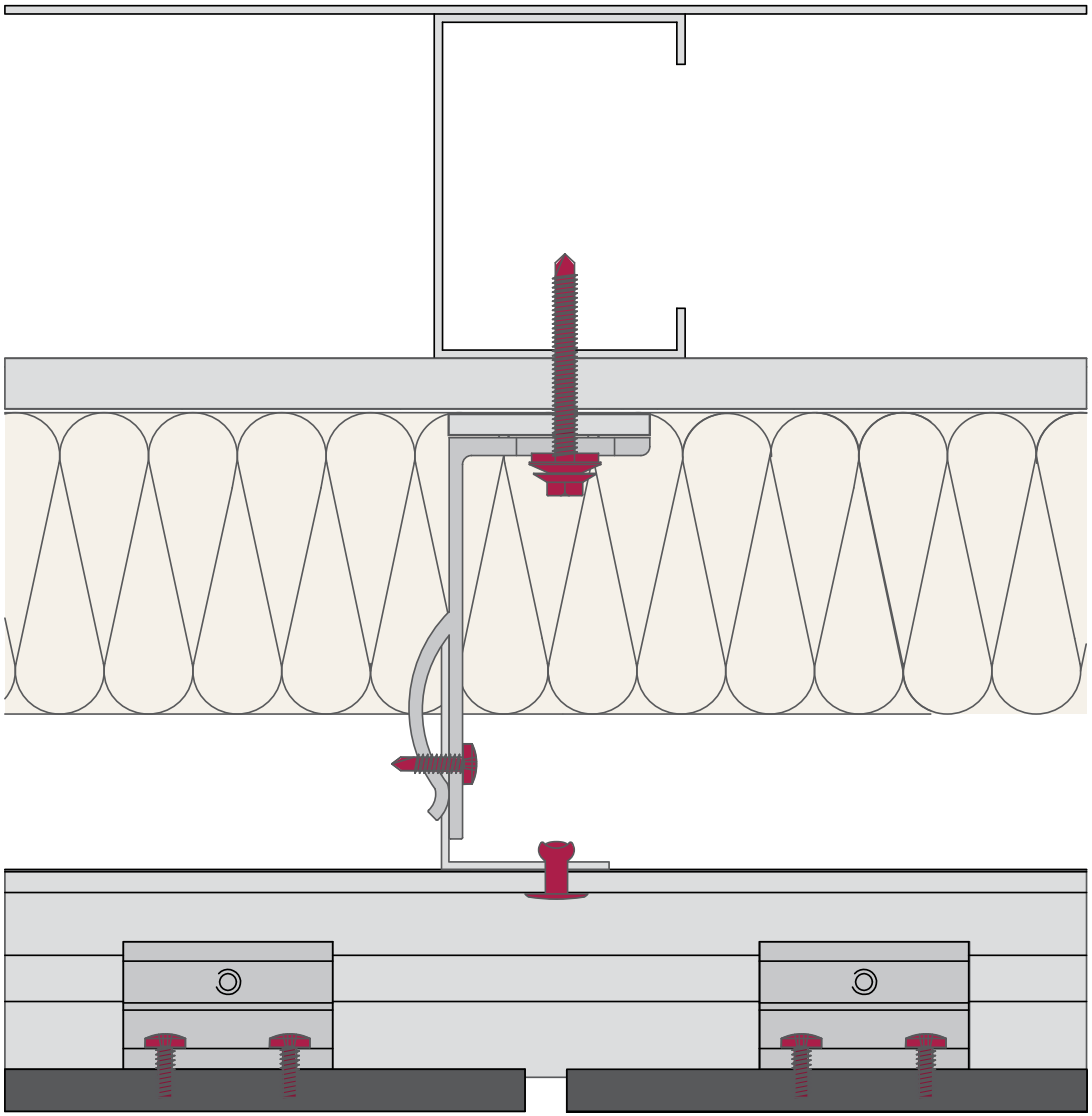
KX03

Cross section



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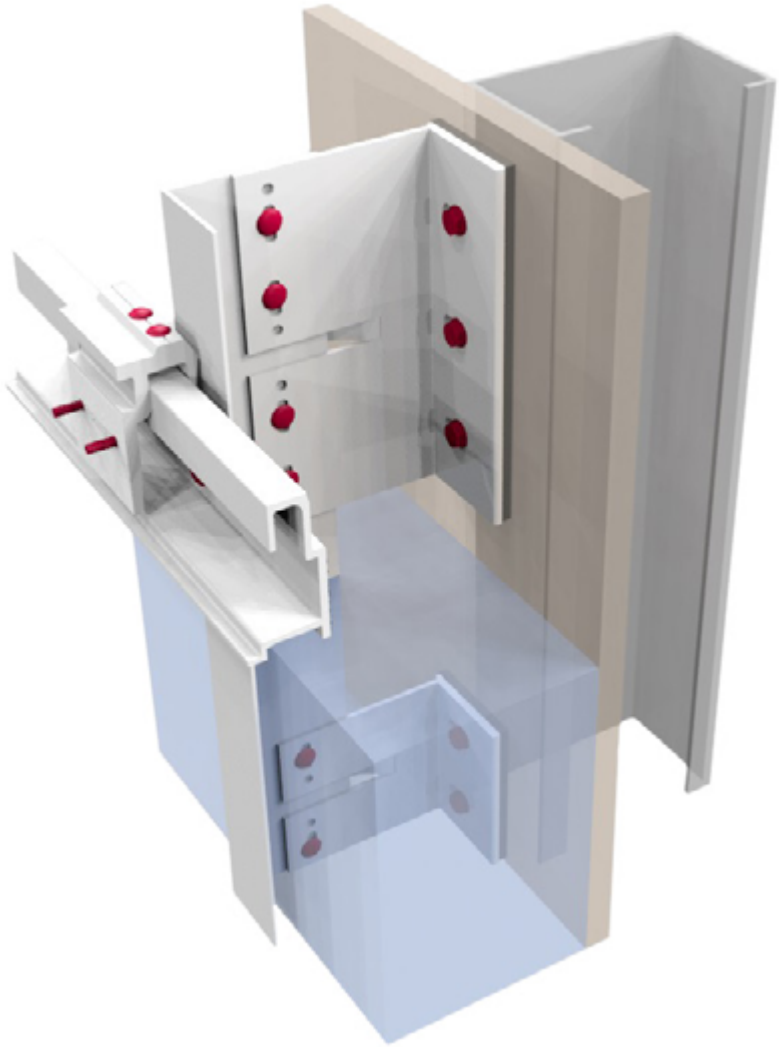

KX04

KX04 is the Kladfix suitable system for concealed fix / mechanically fixed applications. Trespa Meteon HPL (TS200).

KX04 elements – Trespa Meteon HPL only. Horizontal Kladfix channel profiles are fixed to the vertical profiles. Rainscreen panels are hung from and secured to the horizontal profiles with hangers and adjustable hangers.

All Kladfix flexible point brackets absorb wind loading.

kladfix

KX04

KX04
Adjustable hanger

KX04	KX04 = KX01 + KX04 components (mechanical concealed fix)		
	Select KX01 components (bracket and rail) - then - select KX04 components		
	Component	**Reference**	**Detail**
	Main KX04 (TS200) horizontal rail	**CP-NV4-3000**	3000 = 3 metre length (can be 6 metre)
	Adjustable hanger	**NV4-ADJF**	Supplied with an adjusting screw
	Fixed hanger	**NV4-STAT**	
	Fixings		
	SR2 4.2 x 16	**4.2-16**	Rail to bracket
	SR2 4.8 x 19	**4.8-19**	Main horizontal rail 50x50 2.2 L rail
	Hanger securing screw	**JT3-3-5.5X50S16**	5.5mm x 50mm securing screw
	PTS screws 11.5	**PTS-60/11.5**	HPL / board (10mm)
	PTS screws 14.5	**PTS-60/14.5**	HPL / board (13mm)

Range of adjustment - Dims DON'T include Kladfix isolators - if isolators are required - increase dims in table (min / max) by 5mm.
Dims in above tables include 32mm - Kladfix KX04 horizontal rail and hanger.

Range of adjustment - 50 x 50mm 'L' or 100 x 50mm 'T'

Size (mm)	**Min** (mm)	**Max** (mm)
60	107	122
90	124	154
120	154	184
150	184	214
180	214	244
210	244	274
240	274	304
270	304	334

Range of adjustment - 60 x 40mm 'L' or 100 x 40mm 'T'
(40mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
40	74	94
60	94	112

Range of adjustment - 60 x 40mm 'L' or 100 x 60mm 'T'
(60mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
60	118	132
90	124	164
120	154	194
150	184	224
180	214	254
210	244	284
240	274	314
270	304	344

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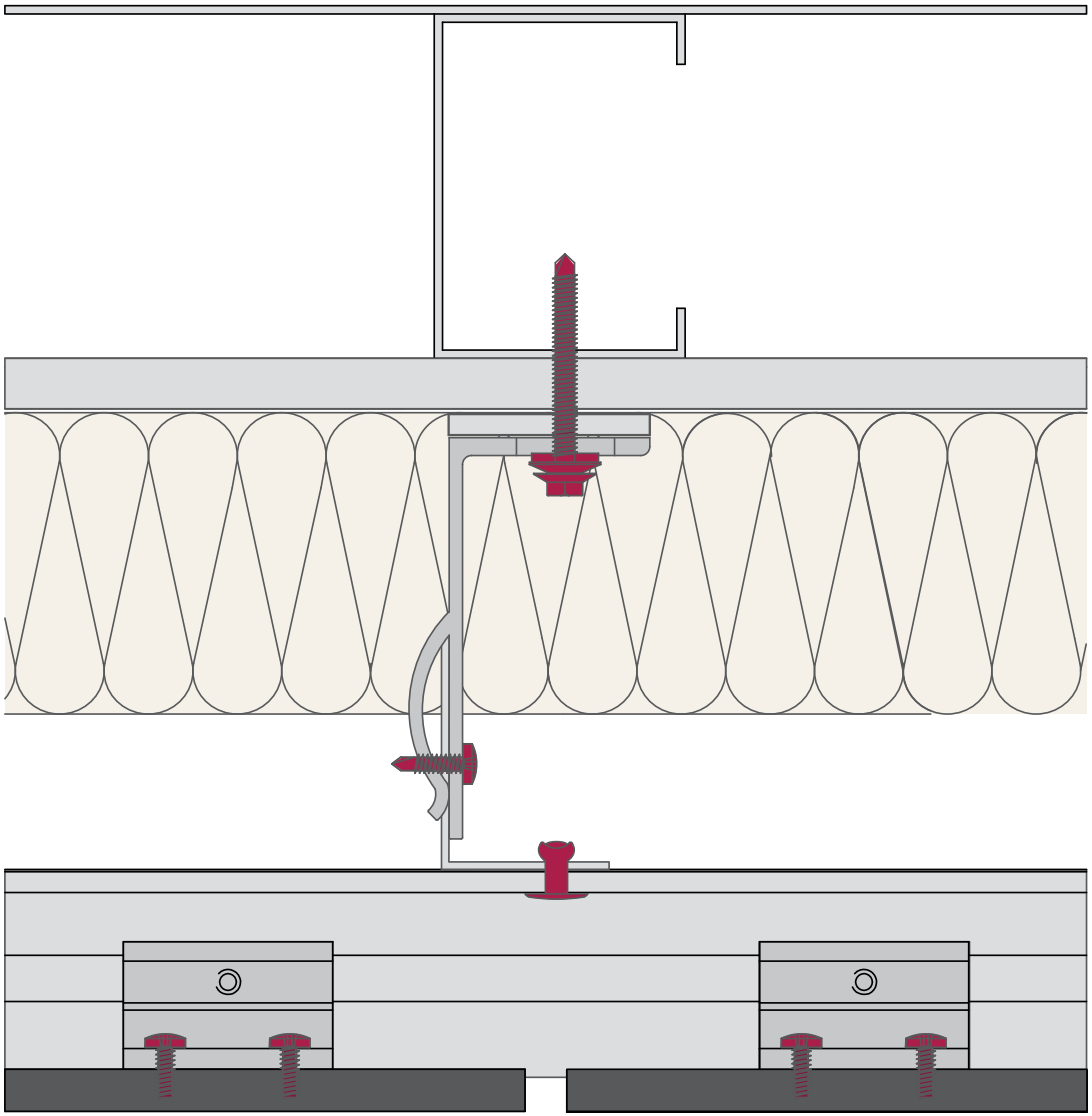
KX04

Cross section



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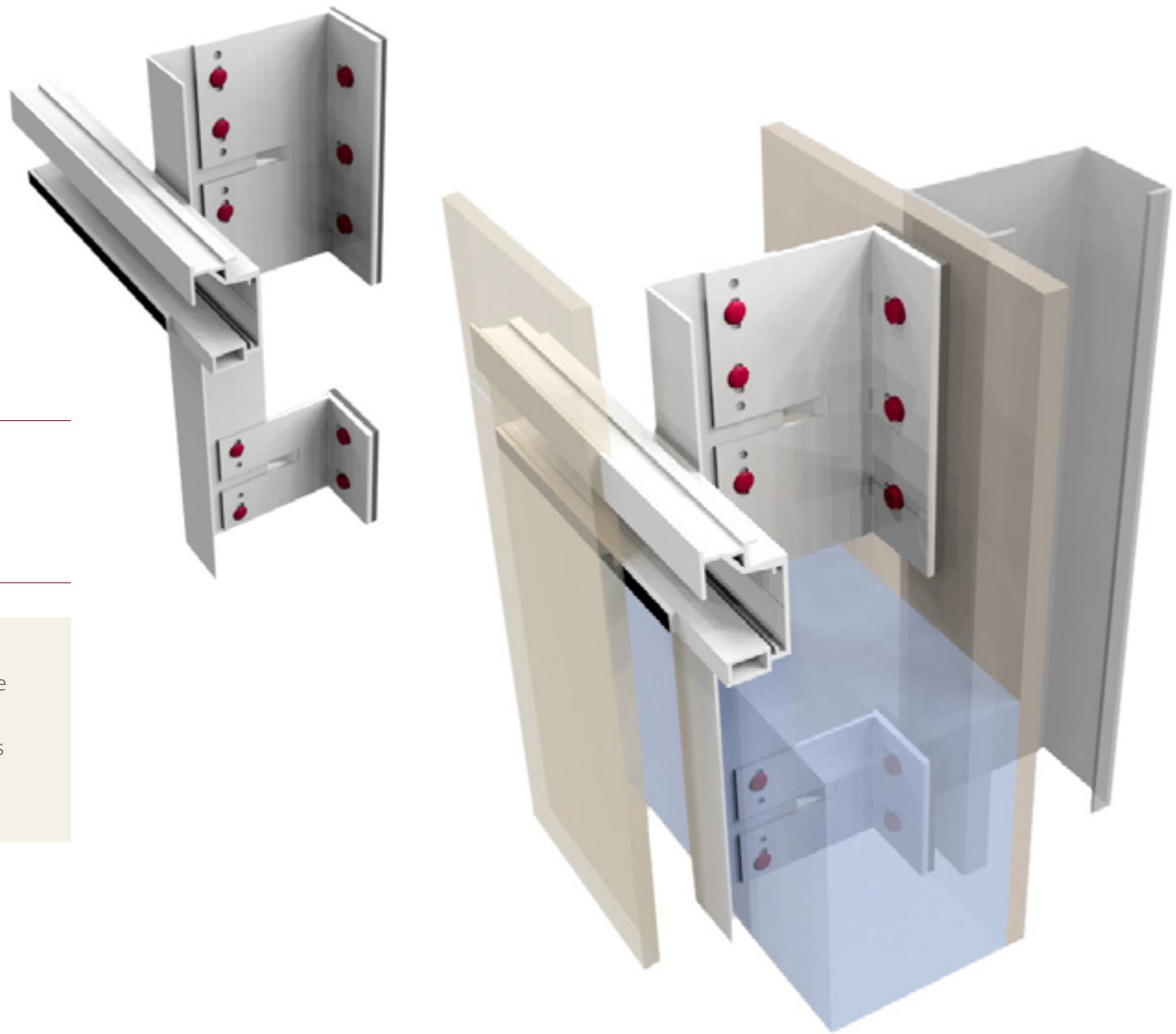

KX05

KX05 is the Kladfix system for concealed fix applications. Trespa Meteon HPL (TS300).

KX05 elements – Trespa Meteon HPL only. Panels are supported at the bottom by the horizontal KX05 channel profile which provides restraint to panel tops. Vertical joints can be open, baffled or formed by half laps with appropriately designed panel edges providing a concealed fixing.

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kladfix

KX05

KX05
TS300
Starter rail

KX05	KX05 = KX01 + KX05 components (mechanical concealed fix)		
	Select KX01 components (bracket and rail) - then - select KX05 components		
	Component	**Reference**	**Detail**
	Main KX05 (TS300) horizontal rail	**NV5-MR-3000**	3000 = 3 metre length (can be 6 metre)
	KX05 horizontal starter rail	**NV5-SR-3000**	
	Kladfix foam tape	**8.5-6-15**	Applied to all main horizontal rails
	Fixings		
	SR2 4.2 x 16	**4.2-16**	Rail to bracket
	SR2 4.8 x 19	**4.8-19**	Main horizonral rail to 50x50 2.2 L rail

Range of adjustment - Dims DON'T include Kladfix isolators - if isolators are required - increase dims in table (min / max) by 5mm.
Dims in above tables include 32mm - Kladfix KX05 horizontal rails.

Range of adjustment - 50 x 50mm 'L' or 100 x 50mm 'T'

Size (mm)	**Min** (mm)	**Max** (mm)
60	107	122
90	124	154
120	154	184
150	184	214
180	214	244
210	244	274
240	274	304
270	304	334

Range of adjustment - 60 x 40mm 'L' or 100 x 40mm 'T'
(40mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
40	74	94
60	97	117

Range of adjustment - 60 x 40mm 'L' or 100 x 60mm 'T'
(60mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
60	118	132
90	124	164
120	154	194
150	184	224
180	214	254
210	244	284
240	274	314
270	304	344

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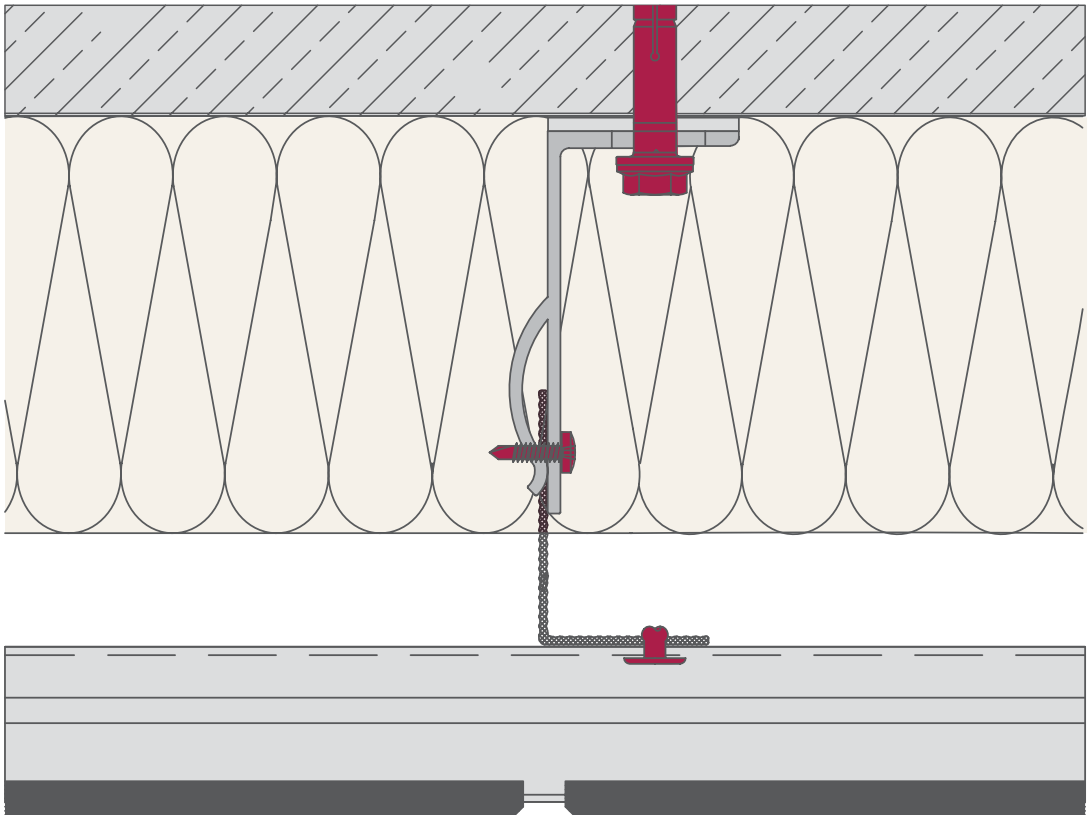
KX05

Cross section



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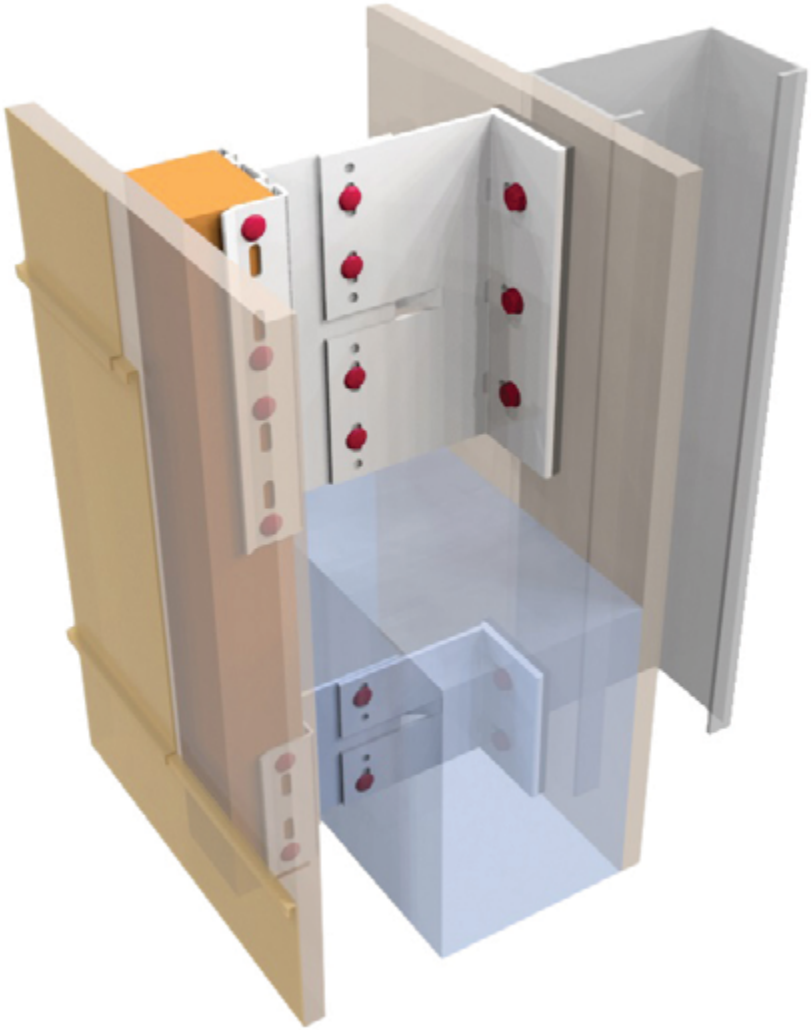

KX06

KX06 is the Kladfix system for supporting a timber batten.

Suitable for supporting vertical or horizontal timber rails or timber boarding. Timber cladding, weatherboard panels or boards may then be attached to support other materials, e.g. copper, zinc, etc.

Supporting timber cladding / weatherboarding and ply.

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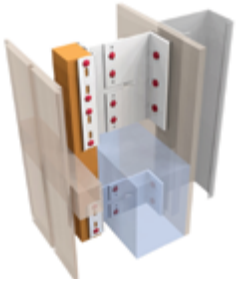
KX06



KX06
Dressed System - Vertical

KX06
Dressed System - Horizontal

KX06
Kladfix batten carrier (uni)

KX06	KX06 = KX01 + KX06 components (mechanical concealed fix)		
	Select KX01 components (bracket and rail) - then - select KX06 components		
	Kladfix batten carriers (unis)	**Carrier code**	**Detail**
	KX06 50 wide single	**UC50S**	For a 50mm x 38mm timber batten
	KX06 50 wide double	**UC50D**	For a 50mm x 38mm timber batten
	KX06 100 wide single	**UC100S**	For a 100mm x 38mm timber batten
	KX06 100 wide double	**UC100D**	For a 100mm x 38mm timber batten
	Fixings	**Reference**	**Detail**
	SR2 4.2 x 16	**4.2-16**	KX06 carrier to bracket
	Timber fixing screws	**4.8T-25**	Batten to KX06 carrier

Range of adjustment - Dims DON'T include Kladfix isolators - if isolators are required - increase dims in table (min / max) by 5mm.
Based on a 38mm x 50mm batten (by others).

Range of adjustment		
Size (mm) based on 50mm wide x 38mm batten	**Min** (mm) based on 50mm wide x 38mm batten	**Max** (mm) based on 50mm wide x 38mm batten
60	130	145
90	133	173
120	163	203
150	193	233
180	233	263
210	253	293
240	283	323
270	313	353

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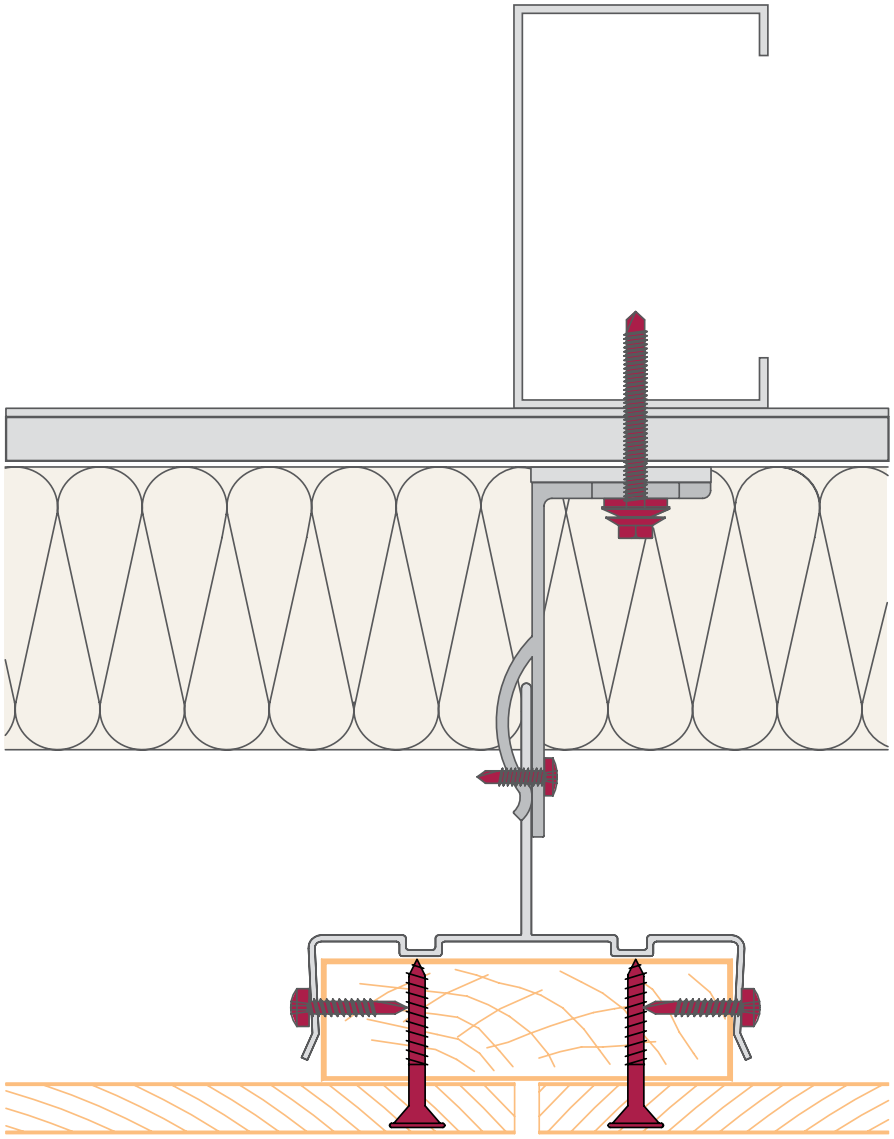
KX06

Cross section



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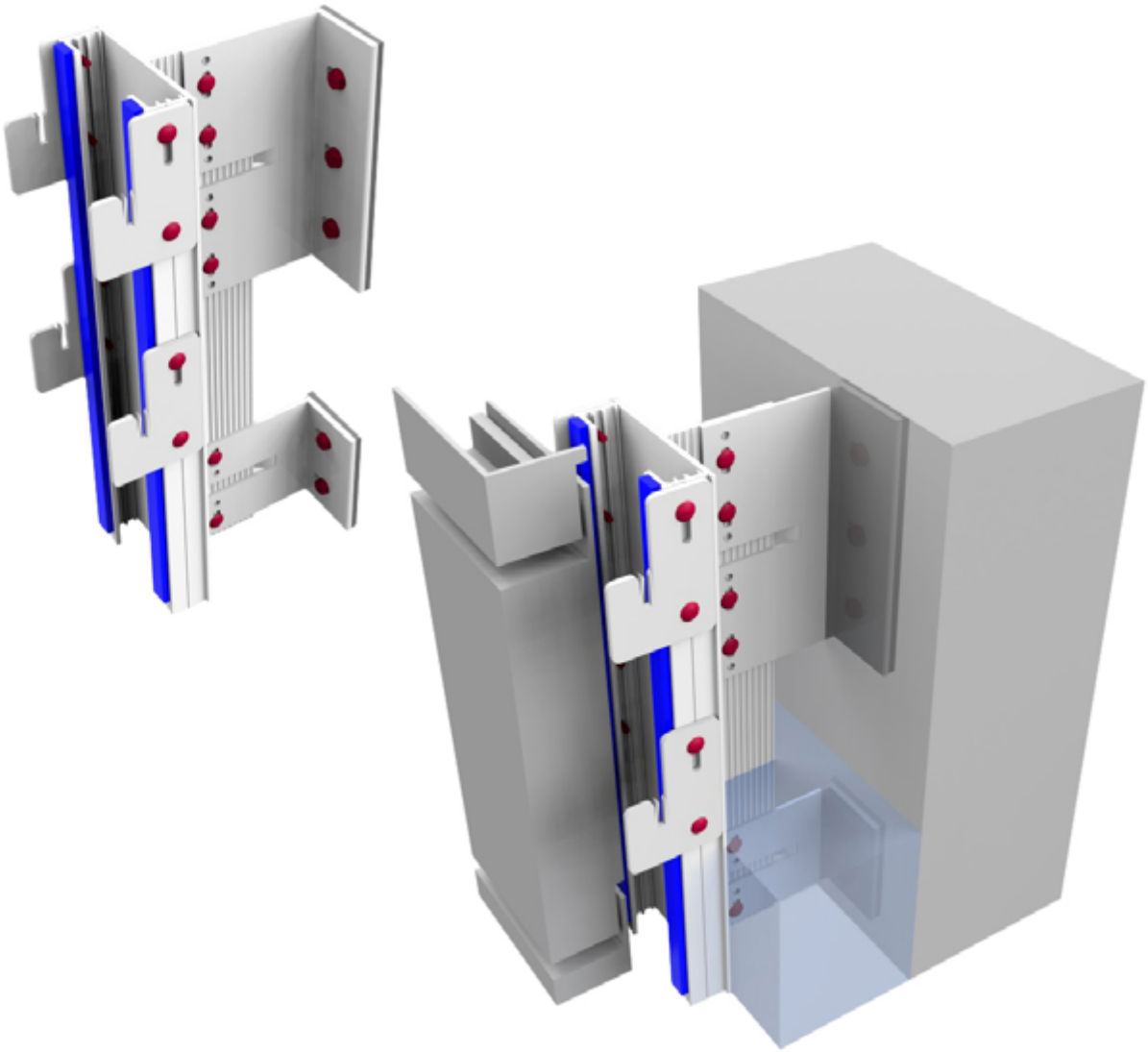
KX07

KX07 is the Kladfix system for supporting cassettes.

Suitable for supporting ACM / ZCM / Aluminium cassettes and any folded metal.

Speak to our technical team.



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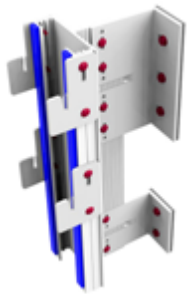
KX07

KX07
Rail and
Hanger plate

KX07	KX07 = KX01 + KX07 components (brackets) + Kladfix cassette profile		
	Select KX01 components (bracket) - then - select KX07 components		
	Rail/Components	**Cassette rail code / Reference**	**Detail**
	KX07 Cassette rail	**NV7-CR-3000**	3000 = 3 metre length
	KX07 Anti rattle tape	**12-6-15**	To be applied to all cassette rails (x2)
	KX07 Hanger plate	**NV7-H-PLATE**	ACM / ZCM (Other materials on request)
	Fixings	**Reference**	**Detail**
	SR2 4.2 x 16	**4.2-16**	KX07 rail to bracket
	SR2 4.8 x 19	**4.8-19**	KX07 hanger plate to rail

Range of adjustment - Dims DON'T include Kladfix isolators - if isolators are required - increase dims in table (min / max) by 5mm.
Based on a 50mm deep cassette (by others).

Range of adjustment

Size (mm)	**Min** (mm)	**Max** (mm)
60	165	180
90	170	210
120	200	240
150	230	270
180	260	300
210	290	330
240	320	360
270	350	390

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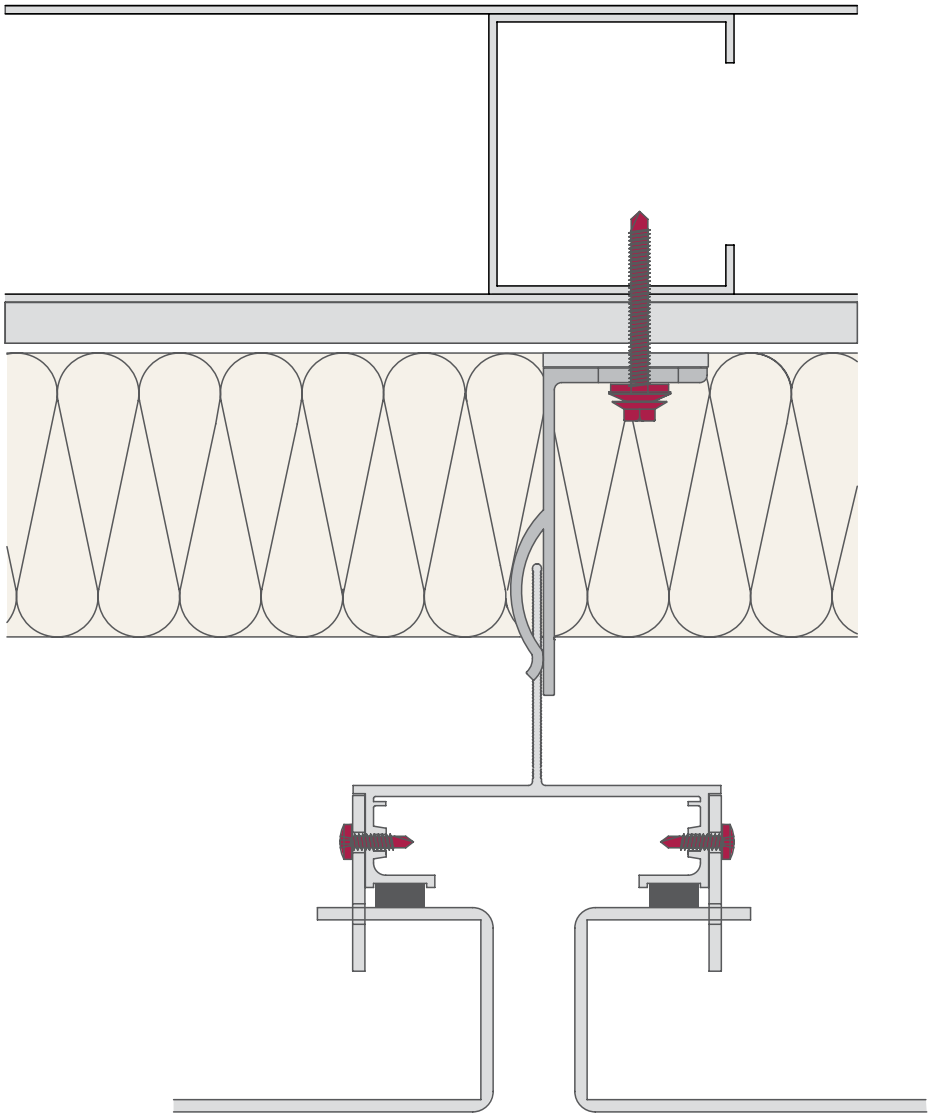
KX07

Cross section



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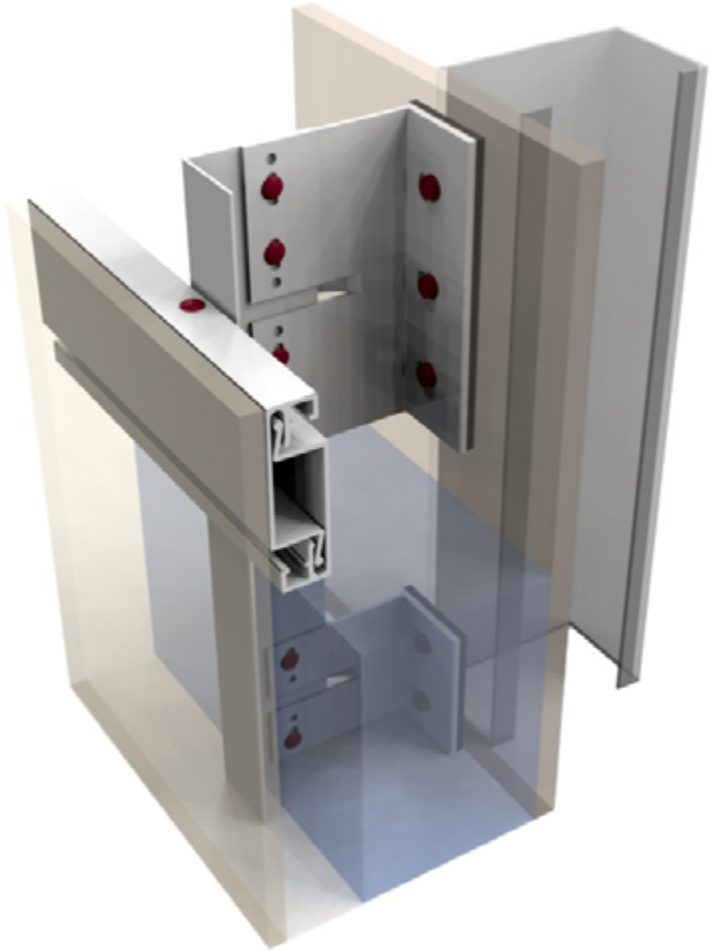

KX08

KX08 is the Kladfix system for concealed fix / mechanically fixed and structurally bonded applications.

KX08 elements - Horizontal Kladfix channel profiles are fixed to the vertical profiles. Rainscreen panels are hung from and secured to the horizontal profiles with hangers and adjustable hangers.

KX08 is designed to be a deeper profile than either KX03 or KX04 – and at a depth of 63mm lends itself to structural bond (on site and offsite) applications.

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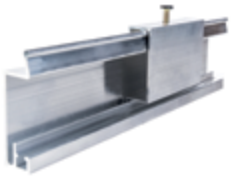
KX08

KX08
Rail & Adhesive

KX08	KX08 = KX01 + KX08 components (mechanical concealed fix / structural bond)		
	Select KX01 components (bracket and rail) - then - select KX08 components		
	Component	**Reference**	**Detail**
	Main KX08 horizontal	**CP-NV8-3000**	3000 = 3 metre length (can be 6 metre)
	Adjustable hangers	**NV8-ADJF**	Cut / prepared - on request
	Fixed hangers	**NV8-STAT**	Cut / prepared - on request
	Fixings		
	SR2 4.2 x 16	**4.2-16**	Rail to bracket
	SR2 4.8 x 19	**4.8-19**	Main horizonral rail to 50x50 2.2 L rail
	Hanger securing screw	**JT3-3-5.5X50S16**	5.5mm x 50mm securing screw
	Sika		
	Adhesive - 600cc 'sausage'	**STS-600**	600cc = 13 metre coverage
	Adhesive - 300cc 'cartridge'	**STC-300**	300cc = 6 metre coverage
	Tape (33m)	**STT-33M**	33m coverage
	Activator 205	**STA-205-1LTR**	285m coverage (50mm wide)
	Primer 1ltr	**STPP-1LTR**	125m coverage (50mm wide)



Range of adjustment - Dims DON'T include Kladfix isolators - if isolators are required - increase dims in table (min / max) by 5mm.
Dims in above tables include 26mm - Kladfix KX08 horizontal rail and hanger.

Range of adjustment - 50 x 50mm 'L' or 100 x 50mm 'T'

Size (mm)	**Min** (mm)	**Max** (mm)
60	101	116
90	118	148
120	148	178
150	178	208
180	208	238
210	238	268
240	268	298
270	298	328

Range of adjustment - 60 x 40mm 'L' or 100 x 40mm 'T'
(40mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
40	68	88
60	88	106

Range of adjustment - 60 x 40mm 'L' or 100 x 60mm 'T'
(60mm leg in bracket)

Size (mm)	**Min** (mm)	**Max** (mm)
60	112	126
90	118	158
120	148	188
150	178	218
180	208	248
210	238	278
240	268	308
270	298	338

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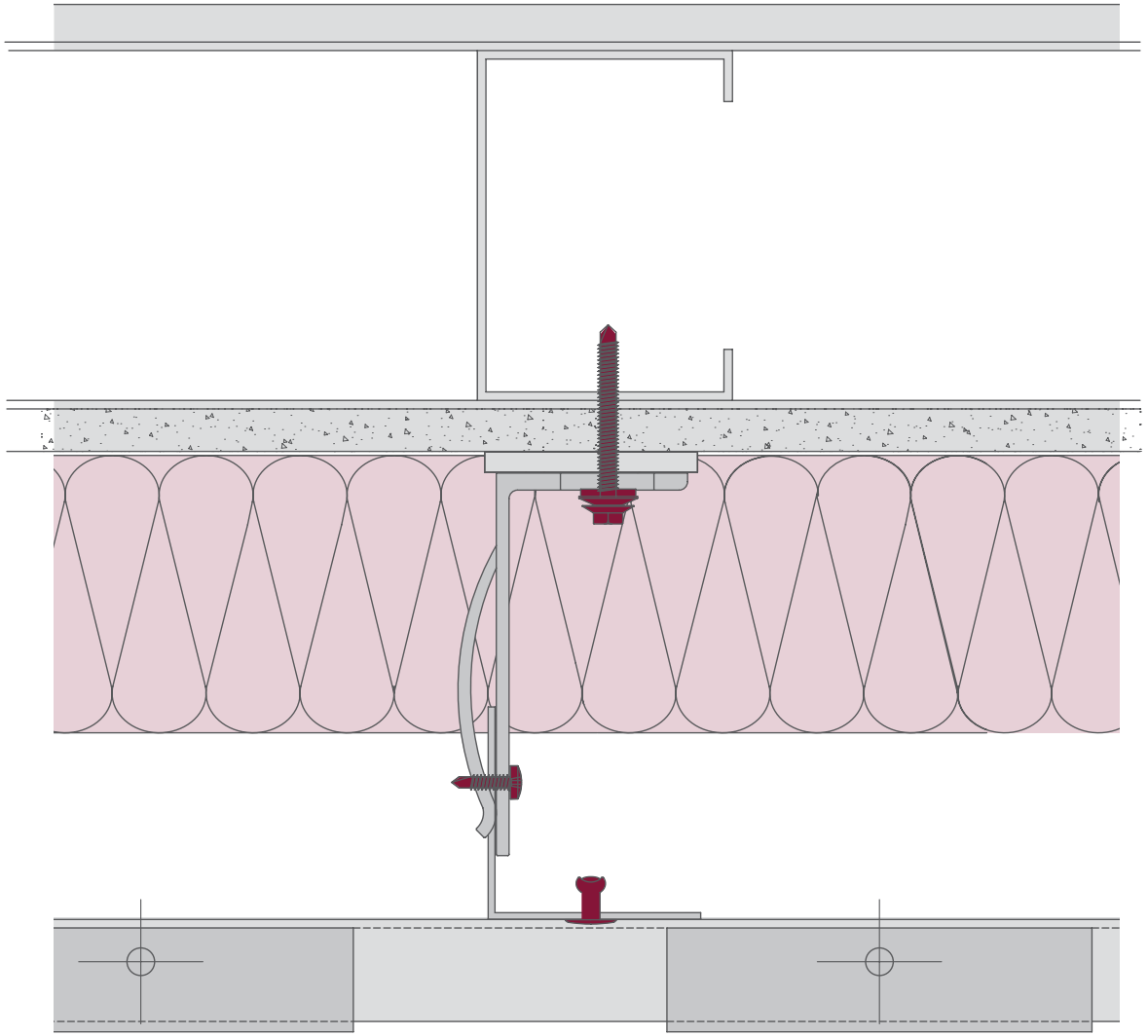
KX08

Cross section



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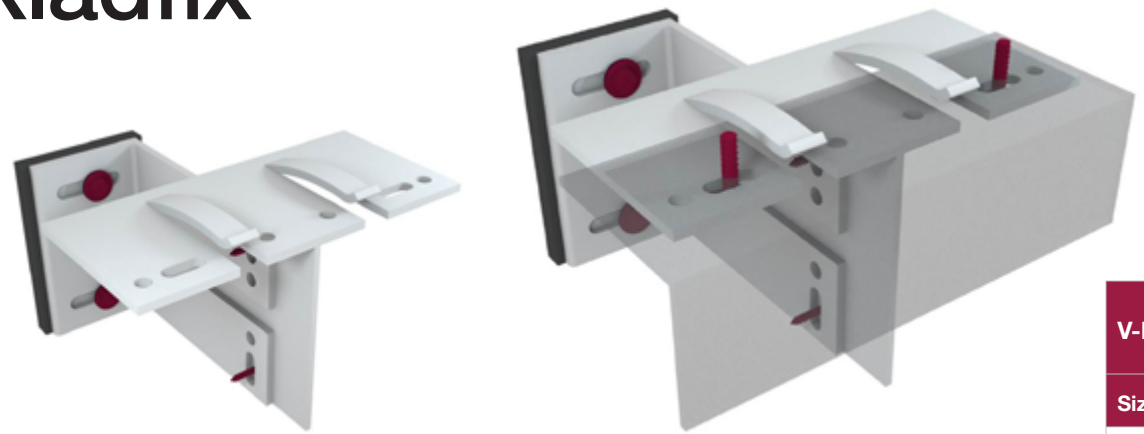

KXH

This is the first horizontal system for Kladfix, so the benefits are that in itself.

This product allows vertical brackets to receive horizontal L & T rails.

The vertical bracket is secured to the substrate; either steel frame, block work, or timber. The adaptor is then slotted upright into the vertical brackets helping hand, with the adaptors helpinghands orientated over the top of the vertical bracket, this is then fixed into place. The helping hands of the adaptor are then ready to receive an L or T rail. The L and T rail can be adjusted for line and level and secured using fixed and floating points to allow for expansion and contraction.

This system is suitable for face fixed and sika fixing applications.

V-HA		
Size (mm)	**6.5mm** (slots) for steel / timber frame	**11mm** (slots) for block / concrete
90	VB90S-6.5 + V-HA / VB90D-6.5 + V-HA	VB90S-11 + V-HA / VB90D-11 + V-HA
120	VB120S-6.5 + V-HA / VB120D-6.5 + V-HA	VB120S-11 + V-HA / VB120D-11 + V-HA
150	VB150S-6.5 + V-HA / VB150D-6.5 + V-HA	VB150S-11 + V-HA / VB150D-11 + V-HA
180	VB180S-6.5 + V-HA / VB180D-6.5 + V-HA	VB180S-11 + V-HA / VB180D-11 + V-HA
210	VB210S-6.5 + V-HA / VB210D-6.5 + V-HA	VB210S-11 + V-HA / VB210D-11 + V-HA
240	VB240S-6.5 + V-HA / VB240D-6.5 + V-HA	VB240S-11 + V-HA / VB240D-11 + V-HA
270	VB270S-6.5 + V-HA / VB270D-6.5 + V-HA	VB270S-11 + V-HA / VB270D-11 + V-HA

Range of Adjustment - (Single / Double - 6.5mm / 11mm) using 60 x 40 L rail		
Size (mm)	**Min** (mm)	**Max** (mm)
90	105	135
120	135	170
150	165	200
180	195	230
210	225	260
240	255	290
270	285	320

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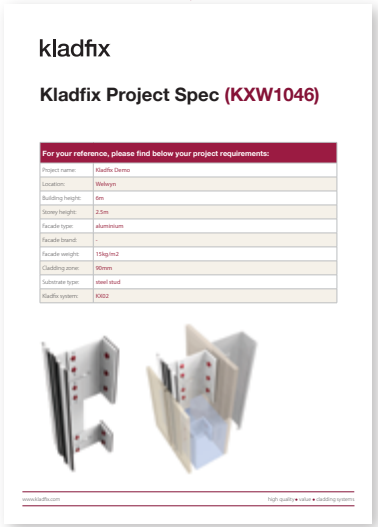
Our Project Builder

Use our Project Builder to specify a project specific exterior cladding solution.

The requirements for each façade and cladding system are always different and depend on factors such as local wind loads, height of the façade, substrate being fixed to, selected cladding material and the cladding zone. All Kladfix cladding systems can be engineered to project specific requirements.

Please don't hesitate to contact us today.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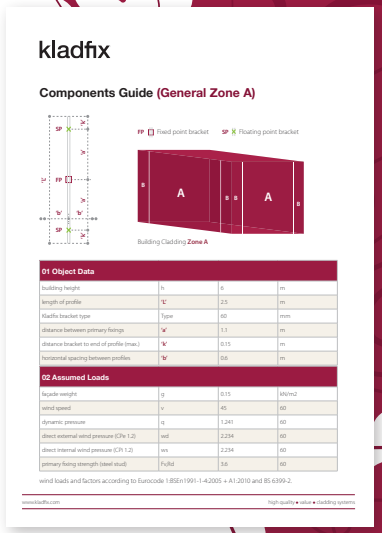
Kladfix Project Spec (KXW1046)

For your reference, please find below your project requirements:

Project name:	Kladfix Demo
Location:	Welwyn
Building height:	6m
Storey height:	2.5m
Facade type:	aluminium
Facade brand:	-
Facade weight:	15kg/m2
Cladding zone:	90mm
Substrate type:	steel stud
Kladfix system:	KX02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Components Guide (General Zone A)

FP Fixed point bracket SP Floating point bracket

Building Cladding Zone A

01 Object Data			
building height	h	6	m
length of profile	'L'	2.5	m
Kladfix bracket type	Type	60	mm
distance between primary fixings	'a'	1.1	m
distance bracket to end of profile (max.)	'k'	0.15	m
horizontal spacing between profiles	'b'	0.6	m
02 Assumed Loads			
façade weight	g	0.15	kN/m2
wind speed	v	45	60
dynamic pressure	q	1.241	60
direct external wind pressure (CPe 1.2)	wd	2.234	60
direct internal wind pressure (CPi 1.2)	ws	2.234	60
primary fixing strength (steel stud)	Fv,Rd	3.6	60

wind loads and factors according to Eurocode 1:BSEn1991-1-4:2005 + A1:2010 and BS 6399-2.

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KX02 System Details

Features

KX02 is the KLADFIX system for secret fix/structural bonding applications, vertical cladding applications. KLADFIX T and L profiles are fixed using KLADFIX support brackets, fixed through a series of fixed and flexible points. KLADFIX flexible point brackets absorb wind loading and allow for expansion and contraction. KLADFIX fixed point brackets absorb both vertical dead loads. KLADFIX bracket spacing is determined by cladding options such as the dimensions and weight of the facade cladding, local wind loads.

Usage

KX02 is suitable for secret fix cladding applications, structural bond (sika sikatack panel system), elements to (e.g. fibre cement, high pressure laminate (HPL), ACM and metal rainscreen panels.

Each façade is different

Unlock your cladding scheme by completing and submitting the Kladfix project checklist (ideally accompanied with elevation and plan AutoCAD drawings) indicating your proposed cladding requirements. This will allow us to prepare a project specific Kladfix cladding solution that includes indicative m2 rates, static calculations and setting out information for the support system.

Static Calculations

A static calculation assesses dynamic forces e.g. wind load and dead loads (weight of the cladding) under project circumstances. In engineering, static systems do not move or change state – therefore a static calculation is ensures that under a given set of circumstances the system (mix of brackets and components) will not move and it will support the load that it's intended to support.