

Short Form 2014

Always ex-stock

▶ For fast delivery.

▶ Our cladding brackets are manufactured from the highest quality alloys and we've always got plenty in stock.

▶ Fast access to the correct products can make all the difference to the success of a project.

Quality and value

▶ Significant savings.

▶ Using practical, no frills packaging we can pass cost savings directly to you. Quality build at value prices.

▶ Favourable discounts for bulk purchasing. Up front support when you need it.



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Brackets

KXV Single	Size (mm)	6.5mm	11mm
		Brackets for steel/timber frame	Brackets for concrete block
	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

KXV Double	Size (mm)	6.5mm	11mm
		Brackets for steel/timber frame	Brackets for concrete block
	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

Single and Double Folded Brackets		
Size (mm)	6.5mm	11mm
240	VBEX235S-6.5 / VBEX235D-6.5	VBEX235S-11 / VBEX235D-11
270	VBEX265S-6.5 / VBEX265D-6.5	VBEX265S-11 / VBEX265D-11
300	VBEX295S-6.5 / VBEX295D-6.5	VBEX295S-11 / VBEX295D-11
330	VBEX325S-6.5 / VBEX325D-6.5	VBEX325S-11 / VBEX325D-11
360	VBEX355S-6.5 / VBEX355D-6.5	VBEX355S-11 / VBEX355D-11
390	VBEX385S-6.5 / VBEX385D-6.5	VBEX385S-11 / VBEX385D-11
420	VBEX415S-6.5 / VBEX415D-6.5	VBEX415S-11 / VBEX415D-11

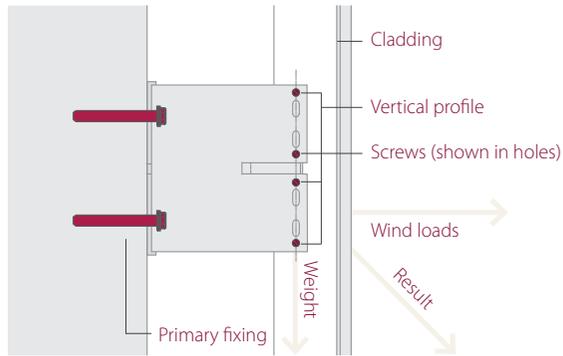


Isolators can be added separately - Either add the thermoplastic isolator (single or double) **KXISO** - or a Kladfix value foam isolator (single or double) **KXISO-FOAM**

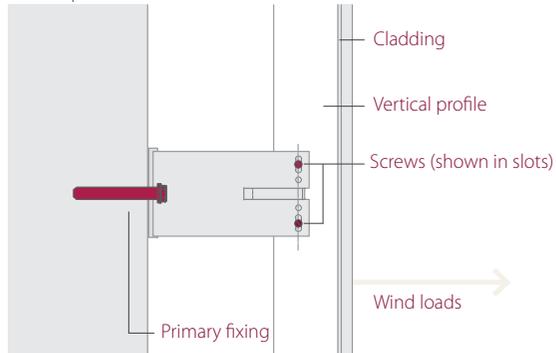
Our Brackets

Technical diagrams

► KXV01 Double Fixed point



► KXV01 Single Flexible point



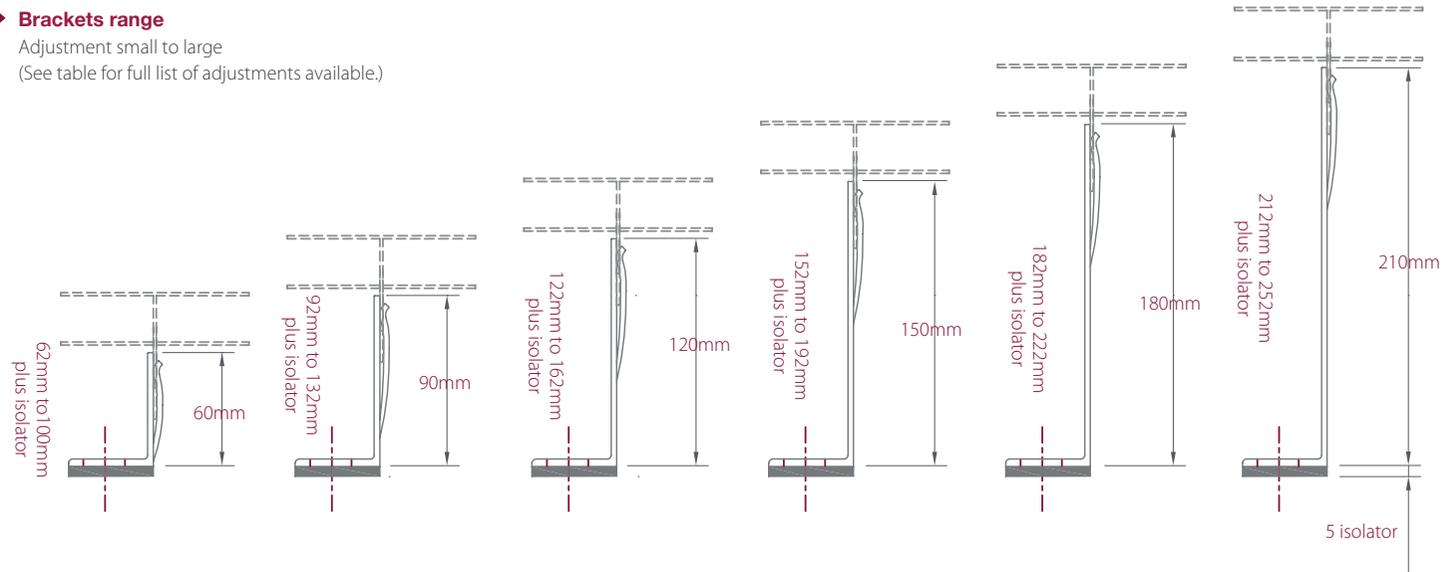
► KXISO-S-FOAM/KXISO-D-FOAM Single or Double



► KXISO-S/KXISO-D Single or Double



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



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



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.



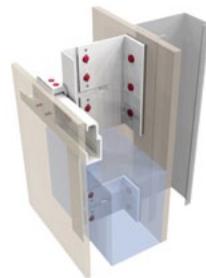
► **KX01**



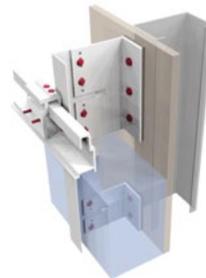
► **KX01**
Back frame
/ Rivet fix applications



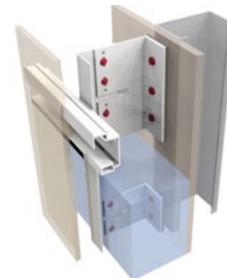
► **KX02**
Concealed fix
- Structural bond



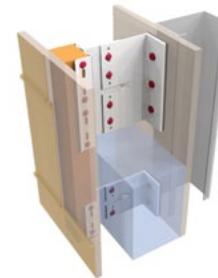
► **KX03**
Concealed fix - Mechanical



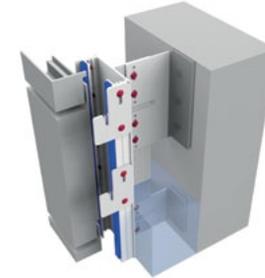
► **KX04**
Concealed fix - Mechanical



► **KX05**
Concealed fix - Mechanical



► **KX06**
Timber support system



► **KX07**
Cassette



► **KX08**
Concealed fix - Mechanical
and structural bond



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KX01

► **KX01 is the Kladfix back frame – vertical cladding applications.**



► **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.



Adjustability Folded Brackets

Size (mm)	Without isolator (mm)	With isolator (mm)
240	242 to 282	247 to 287
270	272 to 312	277 to 317
300	302 to 342	307 to 347
330	332 to 372	337 to 377
360	362 to 402	367 to 407
390	392 to 432	397 to 437
420	422 to 462	427 to 367

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

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

Size (mm)	Min (mm)	Max (mm)
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



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KX02

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



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	225	245

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

Size (mm)	Min (mm)	Max (mm)
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

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 - 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 5.0mm.
Dims in tables on right include 3mm - Sika.



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



► **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 - 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

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

Size (mm)	Min (mm)	Max (mm)
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

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.



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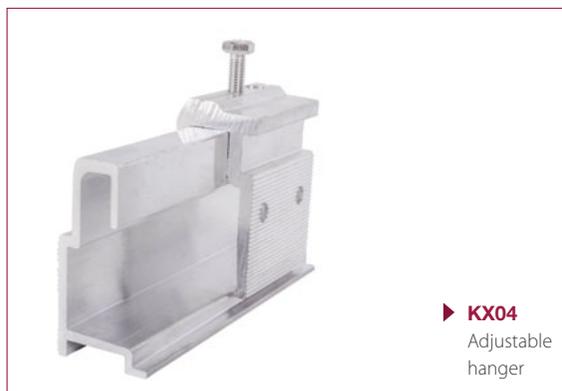
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KX04

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



► **KX04**
Adjustable
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

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

Size (mm)	Min (mm)	Max (mm)
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

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.



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KX05

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



► **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 horizontal 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

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

Size (mm)	Min (mm)	Max (mm)
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



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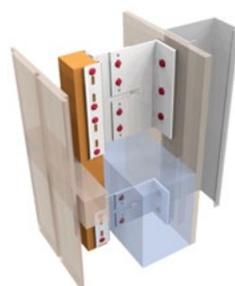
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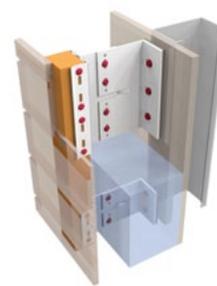
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KX06

► **KX06 is the Kladfix system for supporting a timber batten.**



► **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



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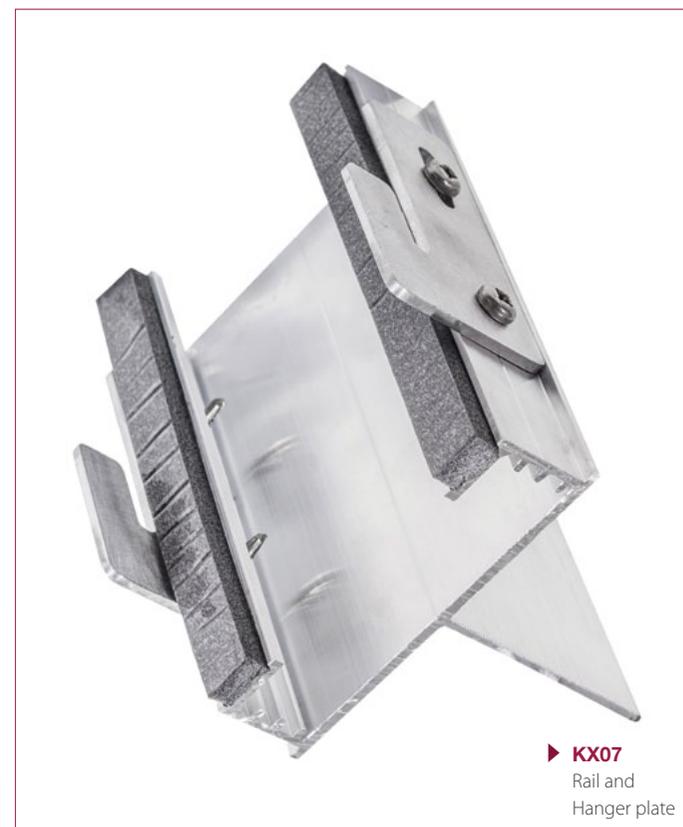
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KX07

► **KX07 is the Kladfix system for supporting cassettes.**

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).



► **KX07**
Rail and
Hanger plate

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



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



► **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 rail	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 horizontal 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 'sausage'	STC-300	300cc = 6 metre coverage
	Tape (33m)	STT-33M	33m coverage
	Activator 205 1ltr	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

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

Size (mm)	Min (mm)	Max (mm)
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



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Our Project Checklist

► Use our Project Checklist 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.

► 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.

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Kladfix Project Spec (KXW1046)

For your reference, please find below your project requirements:

Project name	Kladfix Demo
Location	Walsley
Building height	6m
Storey height	2.5m
Facade type	Aluminium
Facade material	
Facade weight	15kg/m ²
Cladding zone	90mm
Substrate type	steel stud
Kladfix system	KX02



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Components Guide (General Zone A)



FP Fixed point bracket FP Floating point bracket

Building Cladding Zone A

01 Object Data

cladding height	m	4	m
length of profile	N	23	m
Kladfix bracket type	Type	60	mm
distance between primary fixings	N	1.1	m
distance bracket to end of profile (max)	N	0.15	m
horizontal spacing between profiles	N	0.6	m

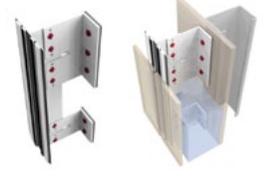
02 Assumed Loads

facade weight	S	0.15	kN/m ²
wind speed	v	45	00
dynamic pressure	q	1.241	00
direct external wind pressure (EN 1221)	wed	2.258	00
direct internal wind pressure (EN 1221)	wen	2.258	00
primary fixing strength (steel stud)	fstud	1.6	00

wind loads and factors according to Eurocode 1:853(1991-1-4:2005) + A1:2010 and BS 6399-3.

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KX02 System Details



Features

KX02 is the Kladfix system for secure 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 recent cladding applications, structural bond (like alu-steel panel systems), elements to big floor centers, high pressure sensitive (PPEL, ACM and metal rainscreen panels).

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► 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 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.

