

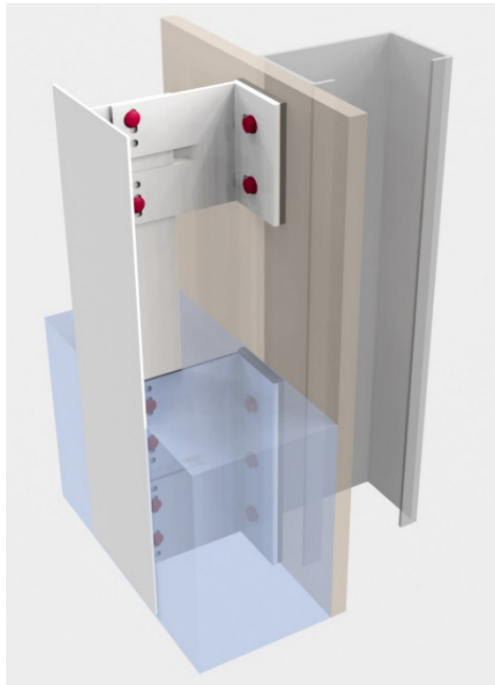
kladfix

www.kladfix.com

Method Statement - Installation Guide KX01 (Kladfix Backframe)

General Description

Kladfix brackets and framework are designed to provide a vertical support



For most façade types. These Brackets are anchored to the building using a purpose-designed Bracket that allows final alignment and adjustment

For further information – Please see www.kladfix.com

KLADFIX BRACKETS

Kladfix Brackets are supplied in different sizes ranging from 60mm - 210mm [see table for cavity depths that can be formed] with the KX01 system

The Brackets are available with hole-sizes 11mm or 6.5mm depending on the diameter of the primary anchor (11 mm – Block / Masonry – 6.5 mm – Steel timber)

Table of Bracket Sizes

Refer to www.kladfix.com

Primary Fixings

Kladfix Brackets are secured directly to a new or existing substrate of concrete, brickwork or blockwork or steel frames. Suitable primary anchors are employed to position the Brackets to a pre-determined grid to suit the Panel layout – Please liaise directly with preferred Primary fixing supplier re pull-out.

If lightweight steel framing systems like Purlins or a Track / Stud framework is employed for this system, then it is important that this framework is erected to the same grid as the finished panel layout and that an engineered fixing device is used to fix the Brackets. In addition, if there is no sheathing board, the isolation of two different metals must be considered. The use of Kladfix isolator pad will achieve this – see www.kladfix.com

Important: the size and type of primary fixing for the Connectors will **always** be determined by the dynamic and dead loads they have to resist - Please liaise with Primary fixing supplier.

Vertical Rails

Once a line of vertical Brackets is installed, a 50 x 50 Kladfix 'L' Profile / 'T' Profile can be attached using the helping hand at each bracket position. [As the Panels will follow any irregularity or miss-alignment of profiles, it is important that time is taken to align / level the framework to a high standard].

- Each 'L' or "T" Profile should be cut to the required length.
- Place the Profiles in each of the Brackets using the helping hand.
- Move the profile into its vertical position - allowing 10mm 'expansion' between profiles.
- The Profile can then be eased outwards to form the specified cavity depth.
- Check for line and level

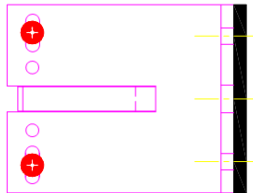
- Secure the Profile using screws or rivets in the 'holes' or 'slots' ** - The correct combination or 'mix' of Single brackets / Double brackets may be determined – Our response to a completed 'Project Checklist' (see www.kladfix.com) will differentiate between Single / Double brackets / Fixed point / Sliding point fixing and Horizontal / Vertical bracket positioning – Speak to Kladfix Technical

Important

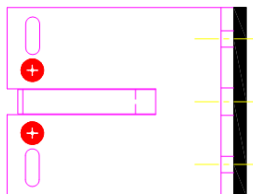
Generally, Profiles are cut to lengths that reflect the height of the panel(s) that are going to be hung on them. Typically storey-height profiles are cut so that the Panel(s) are located on one set of vertical profiles and does not 'bridge' an expansion gap between two profiles.

**As each Profile is secured to the Brackets ONE, near the centre of the profile, MUST be connected with fixings going through the HOLES. [Fixed Point] ALL other brackets should then be fixed in the SLOTS [Sliding point]

For precise fixed point and sliding points – Speak to Kladfix for a project specific static calculation to be prepared



SLIDING POINT



FIXED POINT

Once all Brackets and Profiles are installed to an area of cladding, final checks should be carried out: -

- On the primary anchor torque settings
- To the line and level of the profiles in relation to each other
- To the number of screws and their position in each Bracket

Insulation

Where insulation is specified, it should be cut and tightly butted around the brackets and secured with the appropriate fixings. Sufficient insulation fixings should be provided to ensure that the insulation cannot block the ventilated cavity.

Panel Installation [General]

- Check Profile positions in relation to actual Panel positions.
- Raise the Panel and support in vertical position.
- Adjust level and height of panel before fitting next panel above.
- Repeated on next panels
- Panel joints should follow the manufactures recommendations re joint gaps horizontal and vertical

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