

## Prefabricated Panel Support systems

**FIX-PA** Facade panel support system is specially designed for the secure and fast installation of prefabricated concrete panels on to load bearing structures. This system consists of support and restraining elements.

The **FIX PA** Panel brackets consist of upper section, centre section and special fitting which is cast in to the concrete panel. Depending on the load resistance and the fixing type to the structure, there are different types of an upper section. The standard upper section is fastened at the edge of the sub structure.

The standard **FIX- PA** anchors can support loads of up to 35 kN. However custom made design can be made to achieve loads of up to 70 kN. The **FIX PA** are tested and verified by calculations and further inspections carried out by third party approval inspection bodies.

Facade Panels are restrained by using **FIX-BR** spacing bolts which is compatible with the **FIX-PA** anchors. The standard cavity sizes are 240 mm and are supplied with ISO plastic spacers.

To complete the facade panel support system, HAZ offers the design and manufacture of **FIX-BRA** Parapet anchors. These anchors are used for the safe and easy support of parapet finished components on to the supporting subframe.



**FIX-PA**  
Panel Bracket



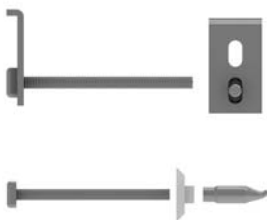
- Fully adjustable support system
- Load capacity from 6 to 35 kN
- Available in various types to accommodate fixing method to structure

**FIX-DW**  
Top Fixing Dowels



- Available for loads up to 35 kN
- Suitable for cavities of up to 80 mm
- Supplied with plastic sleeves

**FIX-BR**  
Restraint bolts



- Restraining bolts to accommodate the support anchors
- Up to 240 mm cavity sizes
- Supplied with ISO pressure plates

**FIX-BRA**  
Parapet Bracket



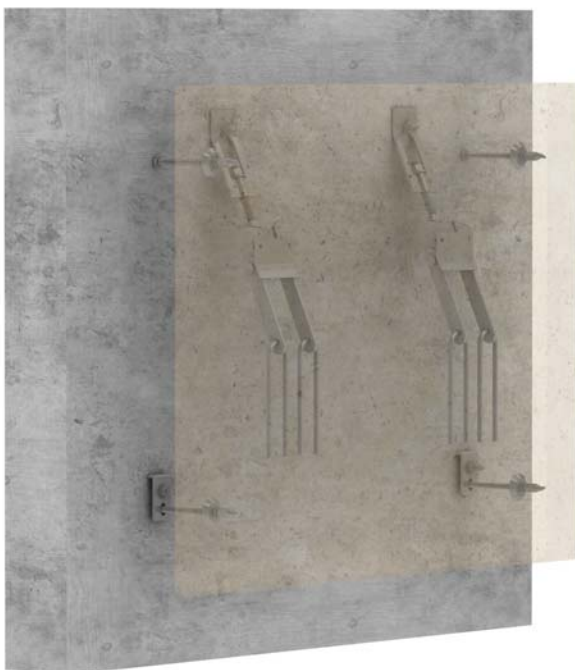
- Custom designed to suit large range of parapet components
- Wall thickness of up to 200 mm
- Supplied with B500 grade re-bar



Centre for Technology & Design, St Pölten

### Prefabricated concrete panel support system

Prefabricated concrete facade panels are suspended on the subframe using **FIX-PA** Panels anchors which enable safe and quick installation. Each panel is installed using two facade anchors in order to distribute the load evenly. **FIX-BR** spacing bolts are used to restrain the panels from wind loads. Four restraint anchors are required to fix each panel. FIX Panels Fixing systems are verified by testing and structural calculations.



### Parapet Support System

Prefabricated concrete parapet panels are attached to the load bearing subframe with **FIX-BRA** parapet brackets, which are specially designed for the secure support of these high load structures. In achieving even load distribution, two parapet brackets are used to install each panel. These brackets are partially inserted into the prefabricated panel with the means of re-bars that are fixed to the brackets. The parapet brackets are attached to the concrete subframe with approved anchor channels or anchor bolts.

