

RAIN SCREEN FAÇADE SYSTEM WITH ACP

WHAT IS THE MALE FEMALE RAINSCREEN SYSTEM (MFR)?

The Male Female Rain screen System (MFR), for assembling the composite panels on ventilated facades, comprises Male and Female aluminum alloy profiles. This System has two profiles over which the shaped trays are fixed.

It is a concealed fixing system that is versatile and can be assembled quickly. Furthermore it has been developed especially in order to construct ventilated facades for Aluminum composite panels with horizontal adjustment.

The substructure is made entirely of aluminum profiles. It comprises fixings in double T shape of different lengths in order to absorb all irregularities of the façade. In order to avoid vibrations in the panels, the Male and Female profiles have the neoprene protection gasket.

The spacer is fixed to the vertical parameter using special mechanical wedges that are recommended in each case by the fixture suppliers. These double T spacers receive the omega-shaped vertical mullions.

The trays are fixed to the vertical mullions using extruded profiles made from aluminum alloy 6063 T6.

MALE FEMALE RAINSCREEN SYSTEMS (MFR)

It is best suited for high-rises, commercial and modular structures.

ADVANTAGES OF MFR

01. GREAT STRENGTH

MFR makes the façade strong. The fixing of horizontal full-length male and female profile fixed to the panels ensures just that.

02. QUICKEST INSTALLATION

MFR saves time and facilitates the fastest installation thanks to the interlocking process.

03. COST SAVINGS

MFR allows for hand routing machine to be used. It can almost be completely pre-fabricated offsite. This saves time and cost.

04. ALMOST ZERO MAINTENANCE

The maintenance cost incurred is almost zero.

05. DURABILITY

MFR increases the longevity of the facade by a minimum of 20%. It also comes with a warranty of 15 years (with any ACP).

06. ENHANCED AESTHETICS

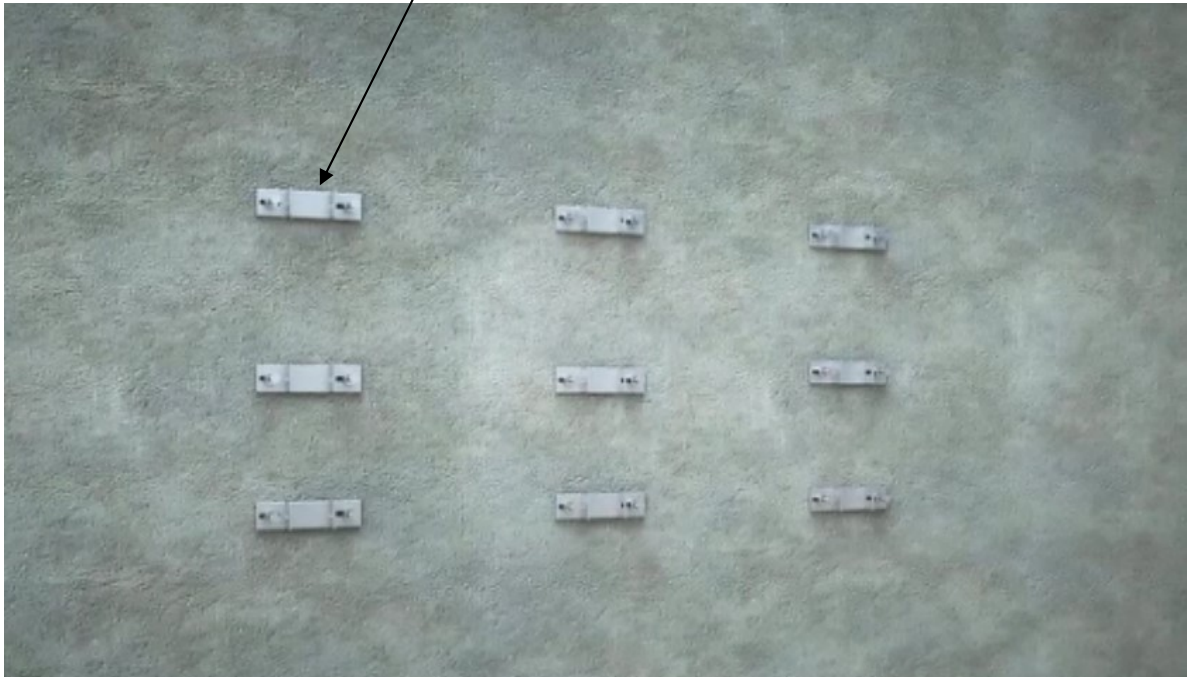
An ACP facade installed through MFR system has grooves of minimum 3mm width – which can go up to 32mm depending on wind load, panel size and design - that grant the structure a monolithic look. It offers unmatched flatness and has no possibility of undulation.

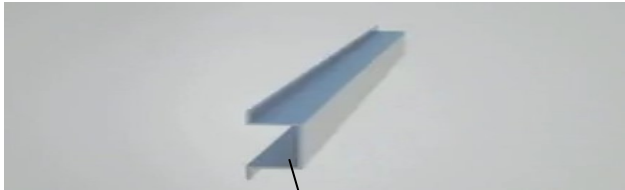
07. FACILITATES INSULATION

MFR gives a ventilated façade that facilitates insulation. Clubbed with insulation materials it helps to save energy by 30% at least. An equivalent level of insulation cannot be achieved by traditional wet seal or rout and return m



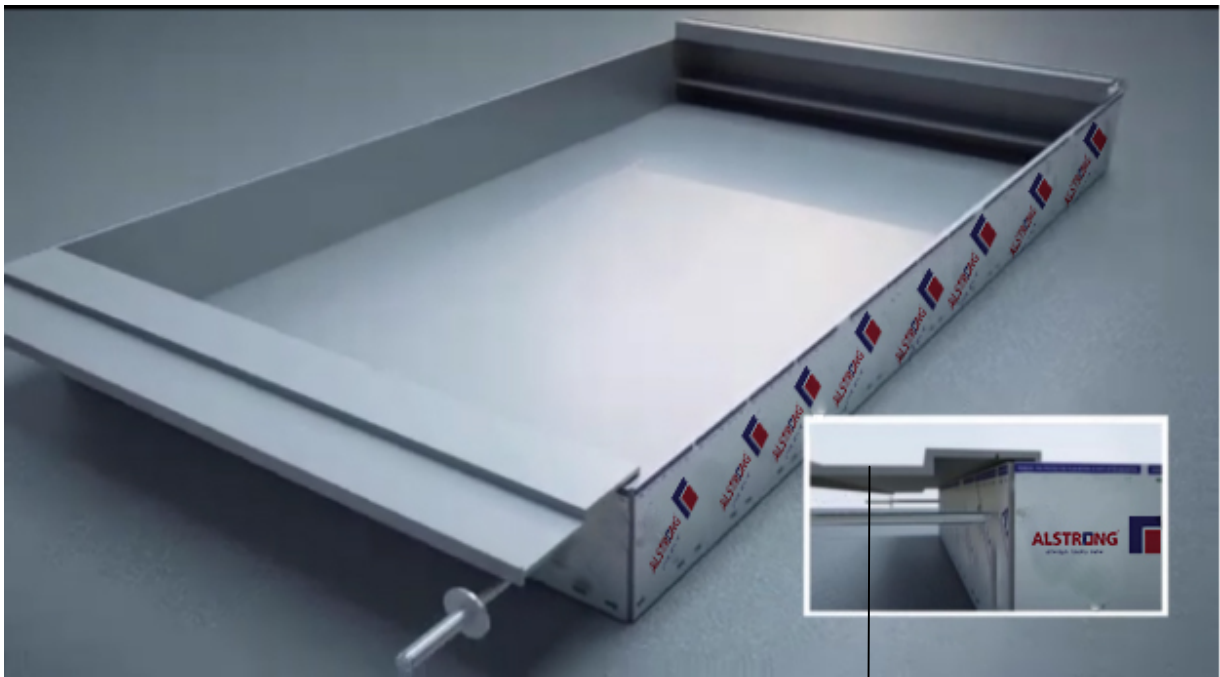
(MEMEBERS TO BE FIXED ON WALL)





(VERTICAL MEMBER)



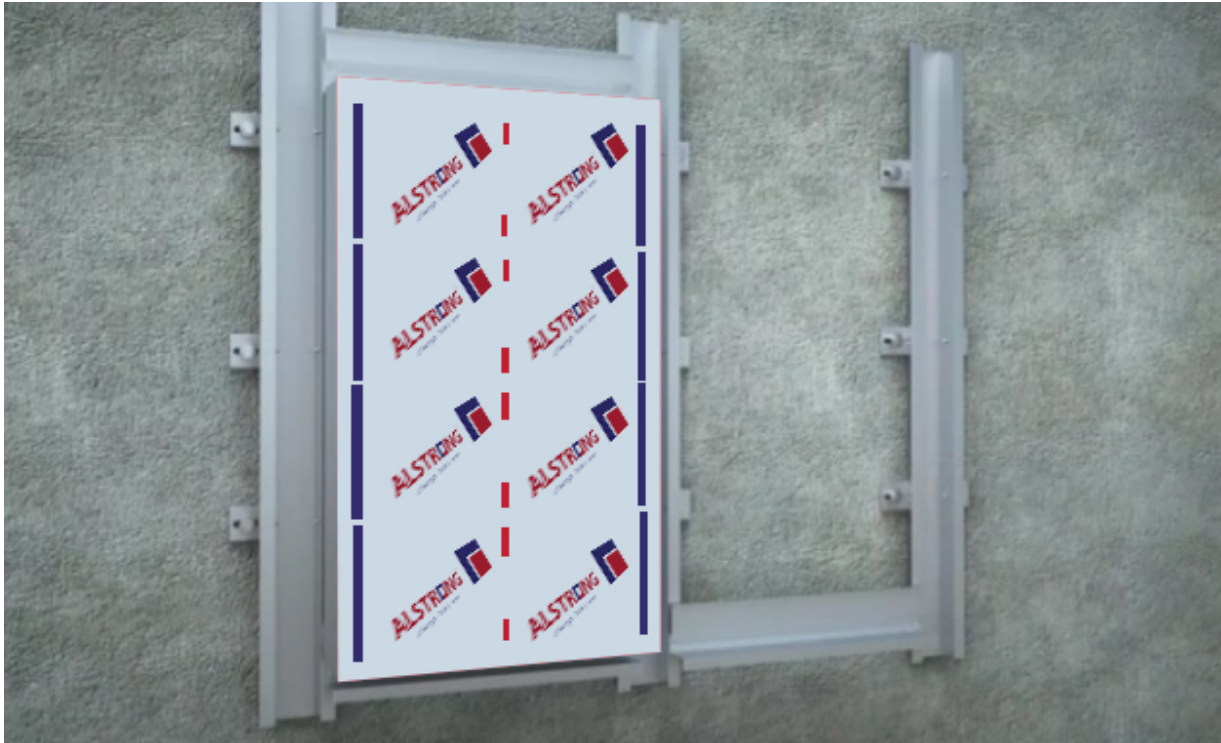


CLIT BRACKET FIXED TO TRAY MADE FROM ACP



HORIZONTAL MEMBER FIXED TO VERTICAL MEMBER





ACP Tray PLACED ON HORIZONTAL MEMBER PLACED ON TOP AND BOTTOM