

MADFLEX HINGE

Superior performances in less than
half the weight

ABOUT MADFLEX

An innovative technological solution patented by **Composite Research** for the creation of an ultra-light structural composite material sandwich panel with unique mechanical features.

MADly Strong – Super FLEX

5 times more efficient than structural steel.
4 times lighter than aluminium.



RIGID SKIN
Resistant to
compression



FLEXIBLE SKIN
Resistant to traction

JOINING COMPOSITES

A disruptive solution to solve the existing limitations of composites joining, allowing improving panels workability and transport.



- Continuous surface that guarantees tightness and impermeability
- 50% Weight reduction
- No concentration of mechanical stress
- No sudden subsidence
- No energy dispersion
- Integration in the existing productive cycle
- Thermoformability
- High resistance to any environmental factor
- Reduction of metallic elements