

Optimization of the joint geometry on the FRP edges of the Hydewa sandwich panels



The FRP longitudinal edges of the panel are cut at a 90° angle and then sanded at a 45° angle, which offers the following advantages for the panel system:

The advantages at a glance:

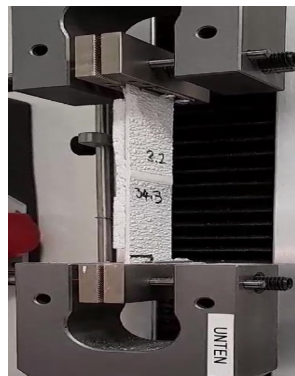
1. Reduced risk of injury during handling due to the removal of sharp edges.
2. Less sanding work on site as the edges are already pre-sanded.
3. A more uniform and visually appealing joint pattern in the panel system.
4. Avoid upstanding foil at the joints.
5. Improved adhesion of the hard joint.
6. In combination with the joint shape („mountain profile“), up to 50 % higher tensile strength values are achieved in the panel joints.



Mountain" joint shape



Mountain" joint shape



Tensile test