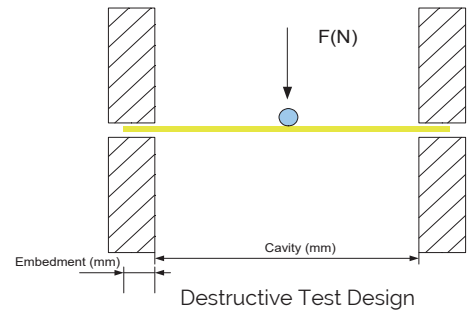


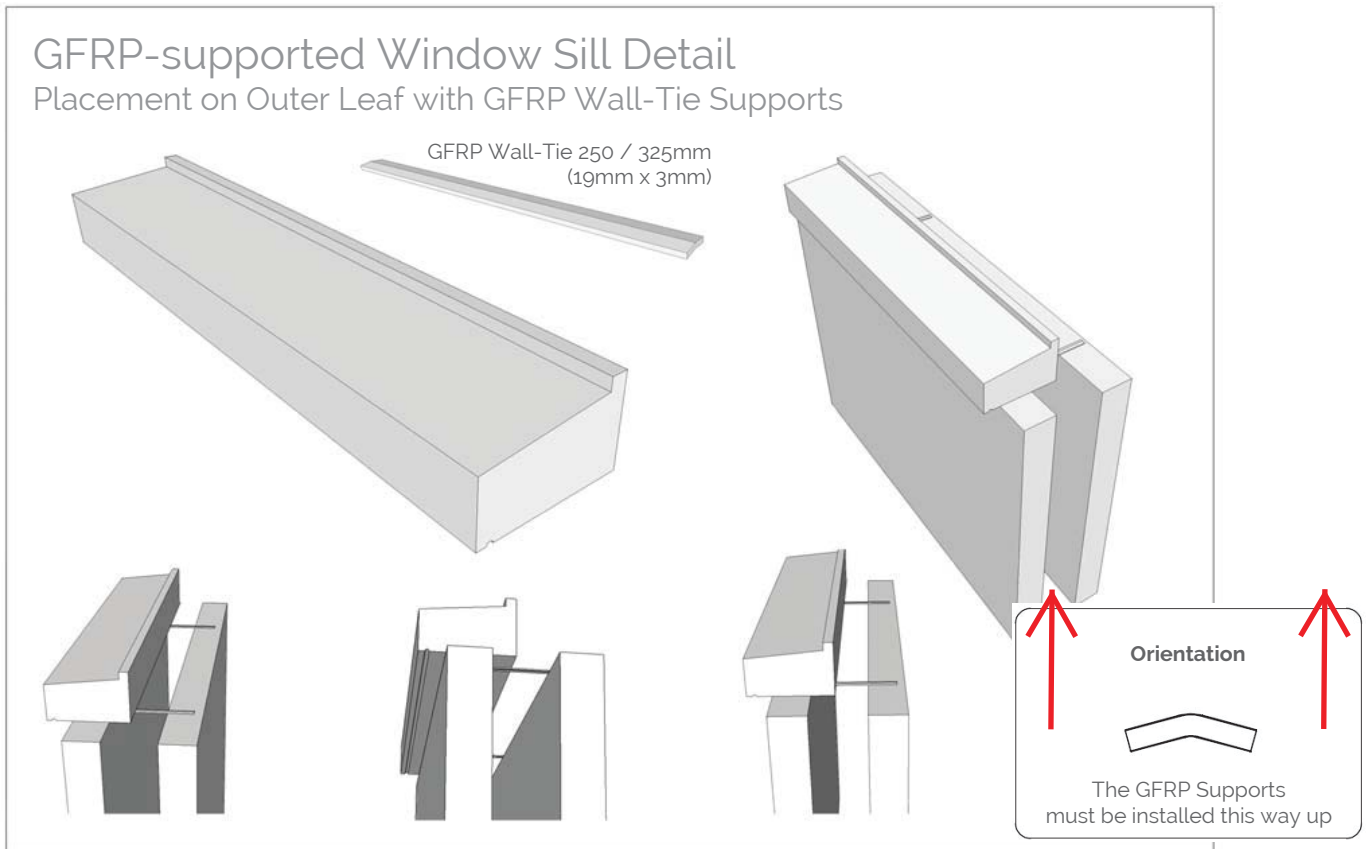
GFRP Cross-Cavity Window Sill Supports

Killeshal's GFRP Window Sill Supports have been tested for use in supporting window sills across a wall cavity and carry a manufacturer's declared load capacity from 75Kg (735N) for the 250mm length to 65Kg (613N) for the 325mm length.

Using the GFRP ties and assuming a maximum cavity width of 150mm for the 250mm ties (embedment of 50mm each side of the cavity) and 200mm for the 350mm ties (embed of 62.5mm), the wall ties were tested to the point of failure.



GFRP-supported Window Sill Detail Placement on Outer Leaf with GFRP Wall-Tie Supports



Installation Guidelines

Killeshal GFRP Window Sill Supports should be sandwiched in mortar joints of 10-15mm design thickness, ensuring they are fully covered with min embedment as per the table opposite.

Recommended spacing for the ties is 300mm centres.

The middle or "hump" of the chevron-profiled sill support should be installed pointing upwards to allow for moisture to be shed off effectively. The coarse coating acts as an effective moisture drip.

These window sill supports are symmetrical at either end and should be installed substantially horizontally, at right angles to the wall, allowing for a slight fall from inner leaf to outer leaf.

Care should be taken to minimise the amount of mortar dropped into the cavity.

Wall Tie	250mm	325mm
Cavity	150mm	200mm
Embedment	50mm	62.5mm

Measurement	Declared Values	
Point Load	75KG / 745N	65KG / 613N
Tension	5430N	
Compression	2480N	
Shear	2640N	
Fire Rating	239mins	
Thermal Conductivity	0.59w/m.k	

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