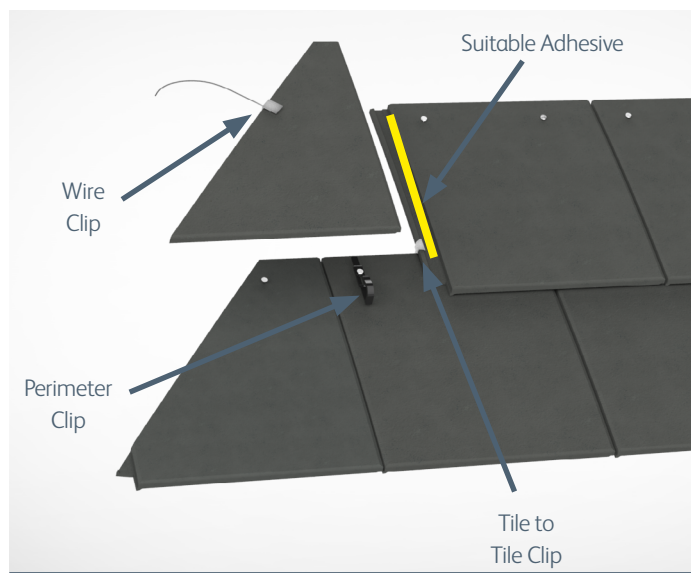


## TECHNICAL INFORMATION - UNSUPPORTED TILE SECTION FIXING GUIDANCE



Where a roof design includes details such as hips, valley, or verges, which are positioned close to each other, securing cut tiles can become challenging. Often one or both nail holes, which usually provide a head fixing, require removal during the cutting process.

BS 5534 requires that all perimeter tiles are twice fixed. This can be achieved using any combination of nailing, clipping, or bonding. Small tile pieces which have been cut to less than half of their original width can be bonded to the adjacent full tile, which should be twice fixed, using a suitable bonding adhesive. Where bonding adhesives are used to secure small cut sections of tile, Ibstock recommend that tile to tile clips are fitted wherever possible.



In addition to bonding, perimeter clips or wire clips can also be used to provide a second fixing. When bonding tiles, adhesive should be applied liberally to the full length of the underlock in accordance with the adhesive manufacturer's instructions.

Ibstock do not manufacture, supply, or guarantee the performance of bonding adhesives. It is therefore imperative that an appropriate bonding agent is selected in consideration of the manufacturer's specifications. Ibstock cannot recommend a specific adhesive manufacturer, however an example of a suitable adhesive specification is detailed overleaf.



## TECHNICAL INFORMATION - Unsupported Tile Section Fixing Guidance

TILE BONDING ADHESIVE SPECIFICATION	
Properties	Specification
Consistency	Pasty
Density	~1.5 g/cm <sup>3</sup>
Application Temperature	5° to 35°C
Skin Formation at 23° and 50 % RH	30 ± 10 min
Sagging (ISO 7390)	Nil
Curing at 23° and 50 % RH	~1mm / 24hr
Shore A Hardness (ISO 868 - 3 Seconds)	55 - 60
Modulus at 100 % Elongation (ISO 8339)	> 0.60 MPa
Elongation @ Break (ISO 8339)	> 60 %
Tensile Strength (ISO 8339)	> 1.5 MPa
Shrinkage (ISO 10563)	< 2 %
Temperature Resistance	-40 to +100°C