

# Westcountry Heritage Sealed Units

## Recommendations for Glazing and Materials

### Glazing Material

Adshead Ratcliffe & Co Ltd - **Arbosil LM Low Modulus Silicone Sealant Colours such as white or brown (not translucent).**

Adshead Ratcliffe & Co Ltd - **Arbolite Dual Purpose Putty for wood and metal frames.**

The above products have been tested with the compatibility of Edge Sealant that is used in our **Westcountry Heritage** Double Glazed Units. These products are available from the Branch Network of Cornwall Glass & Glazing Ltd (see details in presentation pack or contact Westcountry Glass). The use of any other product may result in either damage to the edge seal or ingress into the glazing system which may result in premature failure of the Double Glazed Unit.

PLEASE COMPLY WITH THE FOLLOWING RECOMMENDATIONS AND MATERIALS TO BE USED TO VALIDATE THE 2 YEAR WARRANTY PROVIDED WITH **Westcountry Heritage** UNITS. FOR MORE DETAILED INFORMATION PLEASE REFER TO THE GLASS AND GLAZING FEDERATION (GGF) "Products, Glazing Techniques and Maintenance".

The major cause of IGU failures is associated with water. If liquid water is trapped against the edge seal of an IGU, failure of the adhesive bond of the sealant to the glass may result. This will allow water and/or vapour to pass between the edge sealant and the glass, leading to excessive moisture in the IGU cavity and ultimately to condensation on the internal glass surfaces.

### Face Pointed Frames

All surfaces to be glazed should be clean, dry and free of all contamination.

Minimum rebate dimensions required 12mm Upstand – 26mm Platform.

Apply a generous fillet of Coloured LM Silicone around the perimeter of the frame to the angle between the rebate Upstand and platform. Insert distance pieces and setting blocks of minimum 2mm thickness to maintain the distance between the unit and the rebate Upstand and to keep the unit raised up from the rebate platform. Bed the unit against the distance pieces inserted. Completely fill the void areas with Coloured LM Silicone flush up to the front of the Unit. Mechanically fix the unit in place with Push Points. Apply further Coloured LM Silicone to completely fill any residual voids on the inside, tooling the silicone off to shed water. Make sure the push points are also fully covered in LM Silicone. Leave the LM Silicone to fully cure (approximately 24 hours) and then face off with Arbolite Dual Purpose Putty making sure there is a full adhesion to the frame and glass and no areas for water to enter the glazing system.

### Beaded Frames

Treat in the same way as above up to the point of finishing the Coloured LM Silicone application. Do not fix Push Points. Apply a generous fillet of Coloured LM Silicone around the perimeter of the unit to form the bedding between the unit and the bead. Insert distance pieces opposite those against the rebate Upstand. Bed the beads to the glass squeezing the sealant up between the beads and the glass, and between the bottom of the bead and the rebate platform. Fix the beads securely. Apply further Coloured LM Silicone to both sides of the glass to fill completely any residual voids between the glass and rebate and glass and bead. Tool the silicone to smooth chamfers to shed water.

Finish with paint application making contact with the glass both inside and outside. It is very important that, regular maintenance of the frames and glazing system is undertaken to prevent the access of water into the glazing system.