

# architectural BRONZE CASEMENTS

## STONE REVEALS AND ADHESION TESTING

### EXISTING OPENINGS AND REVEALS

If our bronze casements are being fitted into existing openings or reveals, it is extremely important that the following instructions are observed. These guidelines are supplied for information only. Suitability of materials, tolerances and preparation methods suggested of these and other products must be confirmed by the end user; installer; client or architect.

### REMOVAL OF EXISTING WINDOWS (Compulsory requirement)

All existing and old windows should be removed completely. Old putty, silicone and any other screws or methods of fixing should be removed or apertures made free of obstruction.

Any damaged or cracked stone must be repaired or made good prior to fitting. We can advise on best course of action if you are in any doubt.

All reveals should be brushed or hoovered and cleaned with a damp cloth to remove finer debris.

If it becomes apparent that any previously discussed methods of fixing prove difficult, then please contact our technical department without delay.

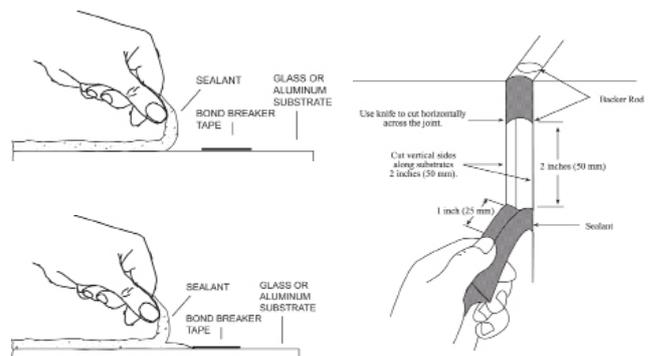
### SEALANT ADHESION TESTS FOR STONE

Peel-in-adhesion tests are recommended for existing stone openings. A single test is carried out on a typical opening to verify sealant adhesion on installation materials.

Adhesion tests should be carried out with the same low modulus silicone being used for fitting the casement to the reveal.

1. Clean the surface per typical surface preparation methods.
2. Place a piece of polyethylene sheet or bond breaker tape across the flat surface.
3. Apply a bead of sealant and tool it to form a strip approximately 200mm long, 25mm wide and 3mm thick. At least 50mm of the sealant should be applied over the polyethylene sheet or bond breaker tape.
4. After cure of the sealant pull the sealant perpendicular to the substrate until failure. Record the mode of failure (adhesive or cohesive) of the sealant.

ILLUSTRATIONS BASED ON DOW CORNING 791



The sealant should be applied to each representative substrate. Sealant samples should be peeled back after 24 hours. If the sealant has not cured after this time has elapsed, it may be necessary to re-run the test at 48 and 72 hours intervals. If the sealant has not cured after 72 hours, please call us for advice.

### STONE PRIMERS (as recommended by Dow Corning)

If the above test indicate poor adhesion of silicone to stone, it is recommended that stone is treated with a primer. This can be purchased from our operations department or you can use any suitable stone primer compatible with your silicone. Primers should be applied to a clean, dry surfaces and sealant applied within time-scales recommended by the manufacturers.