

## Facade Panels - Test Data Sheet

Our facade panels undergo extensive testing, dependent on the project requirements, to ensure optimum performance and safety. They are independently tested, with one testing regime per natural stone and one per bonded panel. Every stone performs differently, and it is at our discretion (unless requested) to determine what testing regime will be required.

### Stone Testing -

| Testing Standard |    |                              | Description   |
|------------------|----|------------------------------|---|
| BS               | EN | 12407 : 20115930 : 1999 ISRM | Petrographic Examination  |
| BS               | EN | 1936:2006                    | Apparent density and open porosity                                  |
| BS               | EN | 13755:2008                   | Water absorption at atmospheric pressure                            |
| BS               | EN | 13161:2008                   | Flexural strength (4-point) Dry                                     |
| BS               | EN | 13161:2008                   | Flexural strength (4-point) Wet                                     |
| BS               | EN | 12371:2010                   | Frost resistance & flexural strength (4-point), Wet. 25 & 50 cycles |
| BS               | EN | 13161:2008                   |   |
| BS               | EN | 14066:2013                   | Thermal shock resistance & flexural strength (4-point)              |
| BS               | EN | 13161:2008                   |   |
| BS               | EN | 14581:2004 [Method A]        | Linear thermal expansion coefficient                                |
| BS               |    | 6073-Part 1:1981             | Drying shrinkage & moisture expansion                               |

### Cristolite™ Testing -

| Testing Standard |    |                                     | Description  |
|------------------|----|-------------------------------------|--|
| BS               | EN | 13161:2008                          | Flexural strength (4-point) Dry  |
| BS               | EN | 13161:2008                          | Flexural strength (4-point) Wet  |
| BS               | EN | 12371:2010                          | Frost resistance & flexural strength (4-point), Wet. 25 & 50 cycles  |
| BS               | EN | 13161:2008                          |  |
| BS               | EN | 14581:2004 [Method A]               | Linear thermal expansion coefficient   |
| BS               |    | 6073-Part 1:1981                    | Drying shrinkage & moisture expansion  |
| BS               | EN | 16140:2011                          | Sensitivity to changes in appearance produced by thermal cycling   |
|                  | EN | 13501-1:207+A1:2009                 | Testing and classification of reaction to fire, conforms to A2:s1:d0   |
| BS               |    | CWCT TN75<br>CWCT TN76<br>8200:1985 | Impact testing assessment of Softbody (50kg) Hardbody (0.5kg & 1kg)<br>Conforms to serviceability Class 1 Impact Safety<br>Negligible Risk |
|                  |    | No Standard                         | Undercut pullout testing   |