



Ref: BVIPL: TILES-CERAMIC : 25941C/245/3/2014  
Test order dated 25.03.2014

Date 16.04.2014

Page 1 of 2

H & R JOHNSON (INDIA)  
(A Division of Prism Cement Limited)  
Windsor, 7th Floor, C.S.T. Road,  
Kalina, Santacruz (East),  
Mumbai-400098

**TEST REPORT ON QUARTZ**

Source of sample : Sample supplied by the customer.  
Number of samples tested : 13 (Thirteen Only).  
Customer's Reference : Letter dt.14.03.2014  
Date of sample Received : 25.03.2014  
Condition of sample : Satisfactory  
Sample Details\* : Agglomerated Quartz / Iced White  
Period of test : 27.03.2014 To 05.04.2014

**1. DIMENSION AND SURFACE QUALITY: IS -13630 -2006 (RA 2012) (PART-1)**

**a) MEASUREMENT: Thickness**

| Sl. No | avg. Measured thickness (mm) | Deviation in Average Thickness of each tile from the work Thickness (%) | Deviation in Average Thickness of each tile from the Avg. Thickness of the 10 test specimen. (%) |
|--------|------------------------------|---|--|
| 1      | 12.84                        | -6.98   | -0.22  |
| 2      | 12.84                        | -7.02   | -0.18  |
| 3      | 12.91                        | -7.60   | 0.37   |
| 4      | 12.95                        | -7.88   | 0.62   |
| 5      | 12.87                        | -7.25   | 0.03   |
| 6      | 12.85                        | -7.04   | -0.16  |
| 7      | 12.90                        | -7.46   | 0.23   |
| 8      | 12.89                        | -7.42   | 0.19   |
| 9      | 12.76                        | -6.29   | -0.86  |
| 10     | 12.86                        | -7.19   | -0.02  |

**b) RECTANGULARITY, STRAIGHTNESS & SURFACE FLATNESS : IS -13630 -2006 ( RA 2012) (PART-1)**

| Sl. No | Deviation in Rectangularity (%) | Deviation in Centre curvature (%) | Deviation in Edge curvature (%) | Deviation in Warpage (%) |
|--------|---------------------------------|-----------------------------------|---------------------------------|--------------------------|
| 1      | 0.08                            | 0.00                              | 0.00                            | -0.04                    |
| 2      | 0.08                            | 0.01                              | 0.02                            | -0.04                    |
| 3      | 0.07                            | 0.01                              | 0.01                            | -0.01                    |
| 4      | 0.07                            | 0.00                              | 0.01                            | -0.04                    |
| 5      | 0.08                            | 0.00                              | 0.02                            | -0.03                    |
| 6      | 0.09                            | 0.00                              | 0.02                            | -0.04                    |
| 7      | 0.07                            | 0.01                              | 0.02                            | -0.04                    |
| 8      | 0.07                            | 0.00                              | 0.01                            | -0.03                    |
| 9      | 0.08                            | 0.00                              | 0.01                            | -0.01                    |
| 10     | 0.09                            | 0.00                              | 0.01                            | -0.03                    |

