

| CHARACTERISTIC              |                        | REQUIREMENT<br>EN - 159 / IS 13753 | MEGA TILE VALUE          |
|-----------------------------|------------------------|------------------------------------|--------------------------|
| DIMENSION & SURFACE QUALITY |                        |                                    |                          |
| 1                           | Dimension              | ±0.5%                              | ±0.2%                    |
| 2                           | Deviation in thickness | ±0.6 mm                            | ±0.2 mm                  |
| 3                           | Straightness of sides  | ±0.3%                              | ±0.2%                    |
| 4                           | Rectangularity         | ±0.5%                              | ±0.3%                    |
| 5                           | Surface flatness       | ±0.5%                              | ±0.3%                    |
| 6                           | Surface quality        | Min. 95%                           | Min. 95%                 |
| PHYSICAL PROPETRIES         |                        |                                    |                          |
| 1                           | Staining resistance    | 10%                                | Ave. 10-20%              |
| 2                           | Household chemical     | 150 kg/cm <sup>2</sup>             | 150 kg/cm <sup>2</sup>   |
| 3                           | Thermal shock          | Min. 3                             | Min. 3                   |
| 4                           | Thermal expansion      | 1 Cycle                            | No Crazing at 4 Cycles   |
| CHEMICAL PROPERTIES         |                        |                                    |                          |
| 1                           | Water absorption       | Min. Class 2                       | Resistance to all Acids  |
| 2                           | Bending strength       | Min. Class B                       | And Alkalies & Household |
|                             |                        |                                    | Chemicals, except        |
|                             |                        |                                    | Hydro Fluoric Acid       |

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| THERMAL PROPERTIES |                         |                                    |                 |
| 1                  | Scratch hardness (mohs) | Resistant to 10 Cycles             | CONFORMS        |
| 2                  | Crazing                 | Max. 9E <sup>-06</sup>             | CONFORMS        |