

## Green Ceramic Floor Tile

Green Ceramics are manufactured from problematic waste materials, such as glass and textiles, transforming them into new value-added products such as engineered floor tiles for the built environment. The product has been developed at the SMaRT Centre UNSW Sydney. For more information please email [smartcentre@unsw.edu.au](mailto:smartcentre@unsw.edu.au).

### A selection of possible finishes, dependant on material used



**Density** | ASTM C97/C97M  
2.09 g/cm<sup>3</sup>

**Fire Testing\*** | ISO 9239  
150 mm, 10.2 kW/m<sup>2</sup>, 97% min

**Flexural Strength** | ASTM C880/C880M  
15.50 MPa

**Compressive Strength** | ASTM C170/C170-16  
46.10 MPa

**Acoustic Testing\*** | ISO 16283-02:2018, AS ISO 717-2:2004, ISO 3382-2:2008  
Complies with NCC 2016 Impact Sound Insulation requirement

**Wear** | -  
15 – 20 micron

**Scratch** | -  
90 – 143 micron

**Water Absorption** | ASTM C97/C97M  
0.8621 %

**Thermal Conductivity** | ASTM D7984  
0.285 W/mK

**Thermal Effusivity** | ASTM D7984  
936.2 Ws<sup>1/2</sup>/m<sup>2</sup>K

**Slip\*** | AS 4586:2013  
P3

\*Externally Tested

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