

**STONEVILLE RECYCLED GLASS TECHNICAL DATA SHEET: TECHNICAL CHARACTERISTICS**

Slab sizes, with standard thickness being 20mm or 30mm, but with other thicknesses (between 16mm and 35mm) produced on special order	1240x1440 or 1440x3060	
Bulk density or specific gravity	2.5 g/cm <sup>3</sup>	
Bending strength	29 MPa	DIN 52112
Specular gloss	81	
Moh's hardness	6 GPa	DIN EN 101
Vickers hardness	6.2x10 <sup>3</sup> N/mm <sup>2</sup>	
Elasticity module/Young's modulus	60 GPa	
Linear thermal expansion x10 <sup>-6</sup> degree C <sup>-1</sup>	7	DIN EN 103
Specific heat capacity Cp	0.73 J/gK	
Water absorption rate	0.02%	
Radioactivity	None	
Stain resistance	Class 1	DIN EN 122 – see below
Chemical resistance	Class AA	DIN EN 122 – see below
Acid resistance	Class AA	DIN EN 122 – see below
Fire resistance	Class A1	DIN 4102 – see below
Caustic resistance	Class A	DIN EN 122
Frost resistance	Trials conducted to date showed no visible damage	DIN EN 202
Surface wear	Class II	DIN EN 154 – see below
Slip resistance (honed finish), CoF <sup>1</sup> : - dry surface: - wet surface:	48 - 57 42 - 46	DIN 51097 EN13845 BS 79761:2002 <i>Pendulum testers</i>
Anchor pull out test (for use with under-cut anchors for curtain walling/rain-screen)	3.97 kN	
Anchor shear load (for use with under-cut anchors for curtain walling/rain-screen)	3.37 kN	

<sup>1</sup> The slip resistance of the floor for able-bodied pedestrians, when tested with the pendulum and Four S rubber. 25 and below: high potential for slip, 25 to 35 – moderate, 35 to 65 – low, above 65 - extremely low.

**KEY****Stain resistance** to a staining agent, DIN EN 122:

- Class 1 Stain removed with water
- Class 2 Stain removed with water and cleaning agent
- Class 3 Stain is not removed

**Acid resistance**, DIN EN 122:

- Class AA Resistant
- Class A More resistant than B, less resistant than AA
- Class B More resistant than C, less resistant than A
- Class C More resistant than D, less resistant than B
- Class D Not resistant

**Chemical resistance**, DIN EN 122:

- Class AA No visible effect
- Class A Slight variation in appearance
- Class B Strong variation in appearance
- Class C Partial disappearance of the original surface
- Class D Total disappearance of the original surface

**Fire resistance**, DIN 4102:

- Class A1: 100% noncombustible
- Class A2: ~98% noncombustible
- Class B1: difficult to ignite
- Class B2: normal combustibility
- Class B3: easily ignited

**Slip resistance, honed finish:**

The slip resistance of the floor for able-bodied pedestrians, when tested with the pendulum and Four S rubber. 25 and below: high potential for slip, 25 to 35 – moderate, 35 to 65 – low, above 65 - extremely low