

CONCRETE PAVING FLAGS

TECHNICAL SPECIFICATION

Attribute	Properties	Test Method + Standards of Compliance
Dimension and Maximum Tolerances	Length \pm 2 mm Width \pm 2 mm Thickness \pm 3 mm	BS EN 1339: 2003
Flexural strength or Bending strength	Characteristic bending strength shall not be less than 5.0 MPa and minimum bending strength shall not be less than 4.0 MPa.	BS EN 1339: 2003
Water absorption	When a sample of three blocks is tested, the average absorption shall not be greater than 6 %.	BS EN 1339: 2003
Abrasion resistance	When a sample of three blocks is tested in accordance with the Wide Wheel Method, no individual test result shall be greater than 20 mm.	BS EN 1339: 2003
Unpolished slip resistance value (USRV)	Pendulum Test Value of 40 to 74 indicates low potential for slip. Pendulum Test Value above 75 indicates extremely low potential for slip.	BS EN 1339: 2003
Chloride and sulphate content	When a sample of one block is tested in accordance with BS 1881: Part 124 the acid soluble chloride content (Cl) and the soluble sulphate content (SO ₃) shall not exceed 0.05 % and 0.7 % by mass of concrete respectively.	BS 1881: Part 124: 2015 BS EN 1744 - 1
Solar Reflective Index (SRI)	When used as a hardscapes in building projects, 50 % of hardscapes materials shall demonstrate a Solar Reflective Index (SRI) of at least 29. SRI-HS Class 1 (\geq 29) – “Can be used in 50-100% of the hardscapes of the development” SRI-HS Class 2 (<29) – “Can be used in 0-50% of the hardscapes of the development”	DMS 1: Part 4: 2016 ASTM E1980 - 11