

Test subject	Test standard	Test method	Result
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 40mm onto concrete	1.56m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 60mm onto concrete	1.74m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 40mm onto grass	2.34m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 50mm onto grass	>3.00m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 40mm onto 50mm compacted MOT Type 1 onto grass	2.61m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 50mm onto 50mm compacted MOT Type 1 onto grass	2.75m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 60mm onto 50mm compacted MOT Type 1 onto grass	2.98m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 40mm with 24mm Pro Base Pad onto concrete	2.05m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 40mm with 38mm Pro Base Pad onto concrete	2.78m
Critical fall height (HIC)	BS EN 1177:2018	Ecobond 40mm with 50mm Pro Base Pad onto concrete	2.99m
Toxicity – Oral	BS EN 71-3 1995	Measurement of migration of certain elements by ICP-OES analysis	Meets all toy safety regulations
Toxicology – Skin contact	PAH – XP X 33-012	Breaking down the materials found in the Ecobond surface into individual chemical elements	EU Reach compliant (21%)
Flammability	BS EN 7188; 1998 + A2;2009	Measurement of affected radius when metal, heated to 900°C, is placed on the surface	Passed in Lowest possible risk category
Slip resistance	BS EN 7188; 1998 + A2;2009	Bi-directional Pendulum slider, both wet and dry	Minimum dry 101 Minimum wet 56
Abrasive resistance	BS EN 7188; 1998 + A2;2009	5000 tests with a loaded abrasive wheel, measured every 1000 cycle blocks	Wear index of 0.45 / Wear ratio of 1.83
Resistance to indentation	BS EN 7188; 1998 + A2;2009	Use of a steel pin, material tested both under load and the recovery measured	No cracking, splitting or perforation
Porosity	BS EN 12616:2013	Concentric water cylinders	62,977mm/hr

Correct as of 17/03/23. Note that product development and new tests are an ongoing process, so these details are subject to change without notice.