



ENVIRO
BUILD

HYPERION[®]

D E C K I N G

TECHNICAL SPECIFICATIONS

Version 3.0

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TECHNICAL SPECIFICATIONS



PIONEER

Characteristic	Reference	Unit
Density	ASTM D792-13 Method B	1.26g/cm ³
Flexural Strength	EN 15534-1:2014	33.58MPa
Flexural Modulus	EN 15534-1:2014	4188MPa
Impact Strength	ASTM D4812-11	86J/m
Shore Hardness	ASTM D2240-05(2010)	D/70/1
Tensile Strength	ASTM D638-10	25.6MPa
Water Absorption	ASTM D570-98(2010)ε1	1.04%
Reaction to Fire	EN 13501-1	Cfl - s1
Coefficient of Friction (Dry)	BS 7976-2	0.52 - 0.51 (Grain - Grooves)
Coefficient of Friction (Wet)	BS 7976-2	0.36 - 0.40 (Grain - Grooves)

SLIP RESISTANCE

It is the customers responsibility to determine the suitability of Hyperion Decking for their particular private or commercial installation. EnviroBuild can provide test reports including a report for slip resistance to help. Should your plans include a ramp or incline of any kind it is the customers responsibility to ensure the installation meets Part M regulations ("Access to and use of Buildings") which stipulate the angle of slope required and the interval for rest areas. To assist with extra tread purchase we recommend the fitting of Grit Strips to the board surface. Always install boards at right angles to the main direction of travel to make best use of Hyperion Decking's slip resistant properties.



TECHNICAL SPECIFICATIONS



EXPLORER

Characteristic	Reference	Unit
Density	EN 15534-1:2014 Section 6.5 EN 15534-4: 2014 Section 4.4	1300kg/m 32.6kg/m
Flexural Strength	EN 15534-1:2014	27.4MPa
Flexural Modulus	EN 15534-1:2014	3969MPa
Shore Hardness	ASTM D2240-05(2010)	D/70/1
Water Absorption	EN 15534-1:2014	4.32% mean 5.06% max
Reaction to Fire	EN 13501-1	Cfl - s1
Coefficient of Friction (Dry)	BS 7976-2	62 - 51 (Grain - Grooves)
Coefficient of Friction (Wet)	BS 7976-2	37 - 40 (Grain - Grooves)

SLIP RESISTANCE

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TECHNICAL SPECIFICATIONS



FRONTIER

Characteristic	Reference	Unit
Density	ASTM D792-13 Method B	1.24g/cm ³
Flexural Strength	EN 15534-1:2014	40.5MPa
Flexural Modulus	EN 15534-1:2014	4423MPa
Shore Hardness	ASTM D2240-05(2010)	D/70/1
Water Absorption	ASTM D570-98(2010)ε1	0.88%
Reaction to Fire	EN 13501-1	Dfl – s1
Coefficient of Friction (Dry)	BS 7976-2	0.49 – 0.50 (Grain – Flat)
Coefficient of Friction (Wet)	BS 7976-2	0.37 – 0.37 (Grain – Flat)

SLIP RESISTANCE

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