

SHIMPAC ROADSHIM

IRONWORK SEATING AND LEVELLING




Shimpac Roadshims are a simple, cost effective ironwork seating and levelling system. Roadshim planks, in conjunction with HardMaster W620 CD534 bedding mortar, provide the strongest of platforms for ironworks ensuring that ironwork reinstatements last for years without further attention. The planks are quick and easy to install, can be cut to length on site without needing specialist tools and allow the contractor to build up the base to the correct level for the ironwork to sit on without applying bedding mortar in excessive thicknesses leading to failure.

FEATURES AND BENEFITS

- Can be used for new chambers, levelling and raising existing chamber tops
- Complies with Highways Authority Standard CD 534
- Exceptional compressive, lateral and sheer strength
- Cost effective and easy to use

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TECHNICAL:

Density (average)	1300 Kg/m ²
Compression Strength Highways England - DMRB Technical Standard CD 534 (formerly HA 104/09, IAN 196/17, IAN 197/17) Ports & Airports - BS EN 124-1- Class F900 (compliant)	(min) 15 N/mm ² 60 Kn/m ² (60 tonne rating - three layer configuration) 90 KN/m ² (90 tonne rating - three layer configuration)
Bending Strength	(min) 9 N/mm ²
Tensile strength (parallel to surface)	4.0 N/mm ²
Tensile strength (perpendicular to surface)	0.5 Nmm ²
Modulus of Elasticity	4500 N/mm ²
Dimensional Stability	0.11% for an increase in relative humidity from 65% to 90% 0.16% for an increase in relative humidity from 65% to saturation
Degradation and Rotting	Will not degrade in use - suitable for use for Civil Engineering and Construction applications above and below ground including ironwork seating, permanent shuttering and external cladding
Moisture Content (ex production)	9% +/- 3% by weight
Moisture Absorbtion (total immersion in water)	0.086% (after 24 hours total immersion)
Dimension change (total immersion in water)	0.7% (average water vapour permeability) 30/50 EN 13986
Thickness tolerances Unsanded: Calibrated: 1 Calibrated: 2 Calibrated: 3 Length Width Squareness	8 to 10mm +/- 0.7mm 8 to 12mm +/- 0.3mm 19 to 37mm +/- 1.0mm 22 to 42mm +/- 1.5mm +/- 5mm +/- 5mm -2.5mm on panel diagonal difference
Bonding Agent	SHIMPAC® ROADSHIMS® use bonding agents free from formaldehyde
Surface Alkalinity	pH between 11 and 13
Mortar Compatibility	Compatible with most commercially available mortars including fast set and resin based
Recyclable and Sustainability	Fully recyclable made from sustainable materials
Thermal Conductivity Coefficient	0.26W/mk
Fire Rating	Tested to BS 476 Part 6.7 - classified as Class 'O' building board with a Class 1 surface spread of flame.
Highways Authority Standard DMRB Technical Standard CD 534 (formerly HA 104/09, IAN 196/17, IAN 197/17) Ports & Airports Standard BS EN 124-1- Class F900 compliant Notified Testing Laboratory: Lucideon [ref:191257 (QT-54649/1/GMB)/Ref. 1	Manufactured to EN 12467:2012 European Standards EN 634-1 & EN 634-2 DoP No: 1034- CPR- 2157/1/2014 Harmonised standard EN 13986:2004 Notified testing laboratories: HFB (1034-CPD-1383/1.4/2013); EMI (M-3036/2007);FCBA (No 0380)

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