

DUREY CASTINGS LIMITED 01322 272424



technical data sheet

ROADSHIM® PLANKS

CHAMBER COLLARS

REPAIR BUNGS

SPECIAL PRODUCTS

ANCILLARIES

SHIMPAC® ROADSHIM® PLANKS

The SHIMPAC® system with its high compression and sheer resistance is designed to ensure correct seating and levelling of ironwork; and yet is simple to adjust on site without the need for specialist tools.

SHIMPAC® ROADSHIM® planks, in conjunction with a high strength fast setting mortar, secure chamber tops and provide the strongest of platforms for ironwork, handling extreme weather conditions and heavy road use, it ensures that ironwork installations and repairs last years without further attention.

SHIMPAC® ROADSHIM® planks are quick and easy to install, can be adjusted to size on site without the need for specialist tools and is compatible with fast setting mortar. The product range comes in various thicknesses, allowing the contractor to build up the area beneath the frame to achieve the correct level. Designed specifically to secure the chamber top and provide a platform to bed and level any ironwork to exactly the right height and angle.

fast, simple, effective
ironwork seating and
levelling systems

FEATURES

- Whole life solution
- 30 year track record of no failures and virtually no remedial work
- Very high compression resistance
- Exceptional lateral strength and sheer resistance
- Unique ironwork levelling capability
- Recyclable
- Cost effective and easy to use
- To HA104/09 ch. 6&7

SHIMPAC® ROADSHIM® planks are approved for use by Councils, Utility Companies, Highway and Transport Authorities and Civil Engineers.

SHIMPAC® ROADSHIM® planks comply with requirements of the Highway Agency Specification HA104/09 ch.6&7.

Since the first installation of SHIMPAC® ROADSHIM® planks in 1987 there has no known failure.

SHIMPAC® SYSTEMS:-
ROADSHIM® planks

Standard sizes
875mm x 100mm

810mm x 100mm

690mm x 100mm

610mm x 100mm

Standard thicknesses

8mm

12mm

18mm

24mm

36mm



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SYSTEMS

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Material Composition

SHIMPAC® System boards are generally light grey in colour with a smooth cementitious surface. SHIMPAC® planks, collars and bungs are a combination of compressed cement (70%), treated wood fibres (15%) and proprietary bonding materials. Cement is the predominant material by weight. Small quantities of chemicals are added to the wet mix, one of their purposes is to accelerate cement setting.

SHIMPAC® System products are intended for external use and have a very high level of performance in the presence of moisture.

SHIMPAC® System products comply with the general requirements as listed in EN634-1 together with the requirements set out in table 1 of this standard.

SHIMPAC® System products also conform to the European Standards EN 634-2. This standard specifies the requirements for particle boards bonded with Ordinary Portland Cement (OPC) for use in exterior, humid and/or dry conditions.

SHIMPAC® System products have the advantage of meeting increasingly stringent building regulations and demands for ever higher standards of durability, safety and economy.

SHIMPAC® System products contain no hazardous volatiles, are asbestos free and their process dust is non-aggressive.

SHIMPAC® System products may be sawn, planed, sanded, drilled, routed, nailed and screwed.

SHIMPAC® System products are durable, even when unprotected, and are able to withstand the destructive influences of weather, moisture, insects, vermin and fungi. It is robust against impact, therefore the possibility of damage is reduced. The product will not build up static charges.

SHIMPAC® System products will not rot - suitable for use as permanent shuttering.

SHIMPAC® System products are compatible with mortar and can be installed using approved fast setting mortar.

SHIMPAC® System products can be cut on site. Cutting

- Tungsten tipped saw (where necessary)
- Stihl saw / disc cutter
- Planks up to 24mm thickness can be scored and snapped to length

SHIMPAC® System products Health and Safety information and COSHH data sheet is available on request.

For further Technical Specifications on page 3 of this data sheet

SHIMPAC®
SYSTEMS

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TECHNICAL data			
Density (average)	1300 Kg/m ³	Surface Alkalinity	pH between 11 and 13
Modulus of Elasticity	4500 N/mm ²	Moisture Content (ex production)	9% ± 3% by weight
Thickness tolerances		Thickness Swelling (total immersion in water)	0.7% (average) Water vapour permeability 30/50 EN 13986
Calibrated:	8 to 37mm ± 0.3mm	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
Unsanded:	8 to 10mm ± 0.7mm 12 to 19mm ± 1.0mm 22 to 42mm ± 1.5mm		
Length	±5mm		
Width	±5mm		
Squareness	-2.5mm on panel diagonal difference		
Bending Strength	(min) 9 N/mm ²	Thermal Conductivity Coefficient	0.26W/mk
Permissible design value	2.25 N/mm ²	Sound Insulation	See characteristics guide Also acoustic information
Tensile strength (parallel to surface)	4.0 N/mm ²	Fire Rating	Tested to BS 476 Part 6.7 - classified as Class '0' building board with a Class 1 surface spread of flame. For further information see Fire Information
Tensile strength (perpendicular to surface)	0.5 N/mm ²		
Compression strength	(min) 15 N/mm ²	Bonding Agent	Shims are odourless, since the bonding the bonding agent is free from formaldehyde.
CE Declaration of Performance	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}		