

# Castle Packing Shims

Large 150 x 100mm


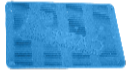




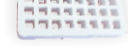
## The features of our **150x100mm PACKING SHIMS**

Designed for packing underneath concrete precast or tilt-up panels in the industrial, commercial and civil construction industries, for levelling and packing objects with a high load mass.

Colour coded by thickness for ease of selection. Castle packing shims are manufactured in New Zealand from quality PP plastic and independently tested with compressive live loads exceeding 10 tonnes.

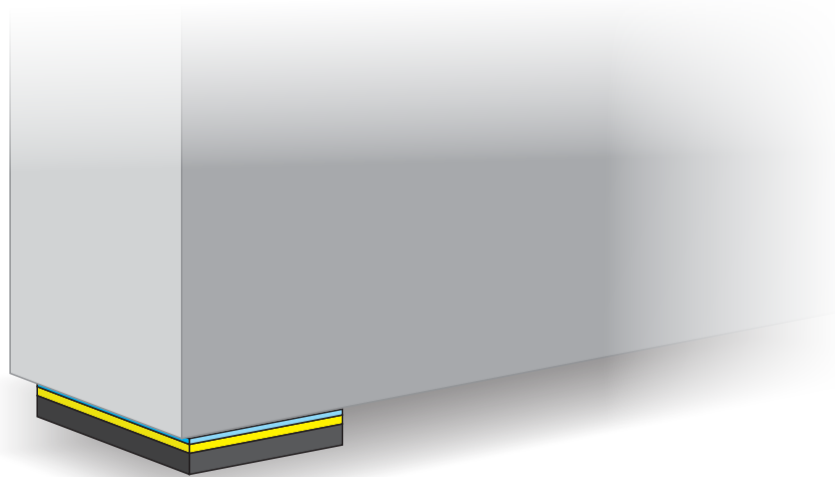
The shims feature a gripped non-skid surface at a handy 150x 100mm.

## TECHNICAL DIMENSIONS

CODE	Size	Colour	Pack Size	
SHIM01L	1mm	Brown	200	
SHIM02L	2mm	Blue	200	
SHIM03L	3mm	Green	100	
SHIM05L	5mm	Yellow	100	
SHIM10L	10mm	Black	40	
SHIM15L	15mm	Grey	40	
SHIM20L	20mm	White	30	

## EVERYDAY APPLICATION

- Place packers under load using different pack heights as per colour code.



## APPLICATIONS

- Precast.
- Joinery Spacing.
- Tilt Slab leveling.

## TECHNICAL CHARACTERISTICS

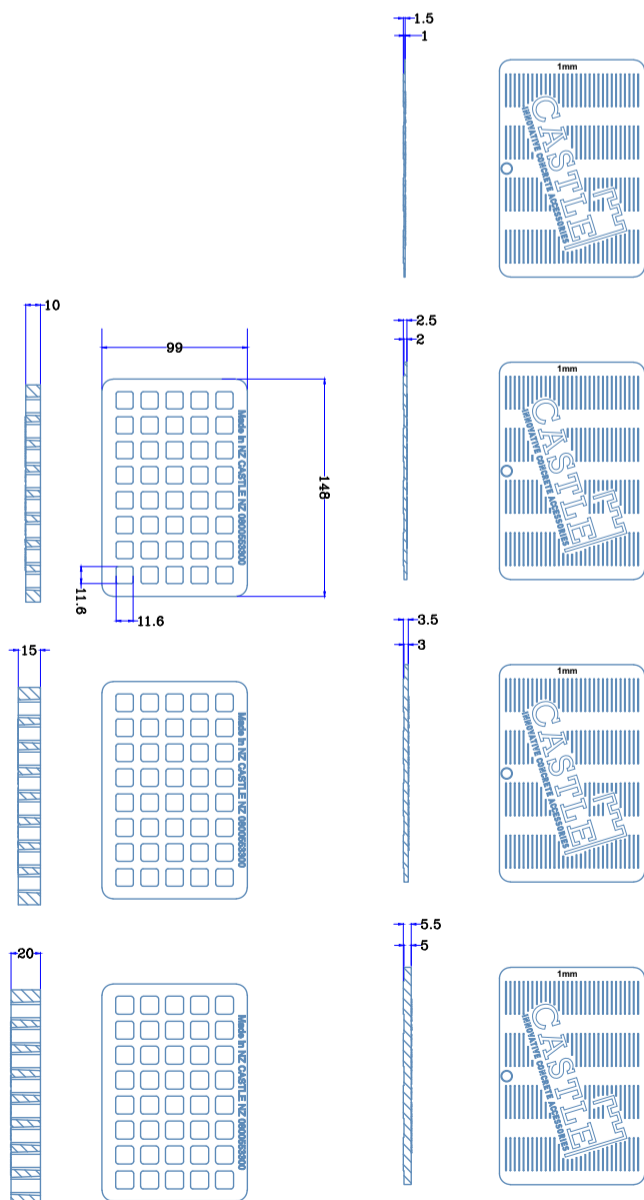
Spacing	1 - 20mm
Live Load	10T<
Height Tolerance <20mm	<0.1mm
Deflection under load	<5%
Material	70%PP 30%CC*

**UV Stability:** polypropylene proven stable, used for outdoor application safe for ten years plus.

**Chemical resistance:** polypropylene is proven resistant to chemicals, petrol and acids.

\*PP: Polypropylene CC: Calcium Carbonate

## TECHNICAL DIMENSIONS



## FEATURES AND BENEFITS

- Colour Coded Sizes.
- Moulded in grip.
- Lightweight design.
- Made in NZ

## TEST REPORTS

Sampled by : Not Stated  
Date sampled Not Stated

Sample description : PP Original black Shim Packer  
Room temperature : 23 °C

Project No : 2-L0311.15  
Lab Ref No : HA6828/1  
Client Ref No :

Test Results						
Shim Type	Dimensions (mm)	Applied Load (kN)	Elapsed Time (min)	Deflection (mm)	Pre Load Thickness	Reduction Thickness
Cored / Hollow Shim/Black						
Pre Load dimension	147.0 x 98.4 x 15.0	10	0	15.0mm		
		98.6	1	0.75		5%




Date tested : 25/01/21  
Date reported : 25/01/21

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All information supplied by Client

Approved

Designation : Senior Civil Engineering Technician  
Date : 25/01/21


## PRODUCT COMPARISON

Cored Castle design testing equal to that of industry 'solid' design.

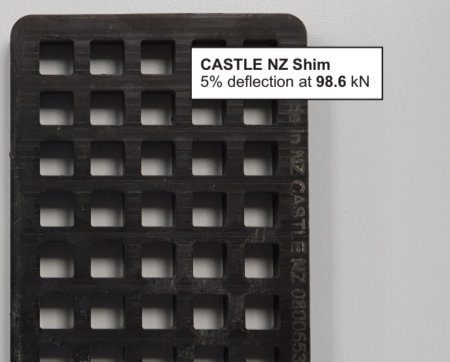
Sample description : WLL 20T Silver Shim Packer  
Room temperature : 24 °C

Project No : 2-L0311.15  
Lab Ref No : HA6886  
Client Ref No :

Test Results						
Shim Type	Dimensions (mm)	Applied Load (kN)	Elapsed Time (min)	Deflection (mm)	Pre Load Thickness	Reduction Thickness
Pre Load dimension	148.9 x 99.3 x 14.9	10	0	14.9mm		
		92.2	1'20"	0.75		5%



**Imported Shim**  
5% deflection at 92.2 kN



**CASTLE NZ Shim**  
5% deflection at 98.6 kN

