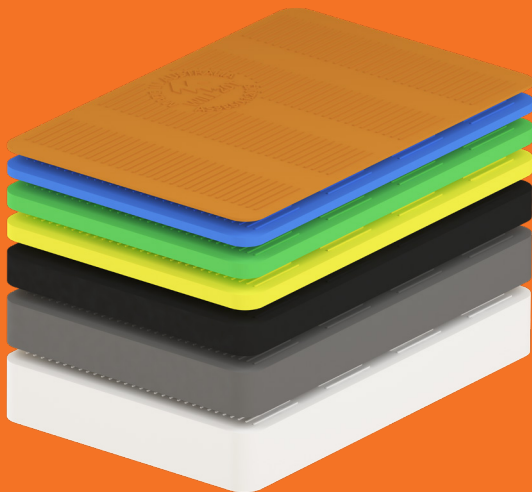


March | 2025

AU

# Reid™ Panel Shims

Compliance Document



Reid™ Panel Shims  
comply with  
AS 3850.1:2024

reid.com.au | 1300 780 250

# Reid™ Panel Shims



Reid™ Panel Shims have been independently tested & rated with a 34t Working Load Limit (WLL) as determined in accordance with AS 3850.1:2024.

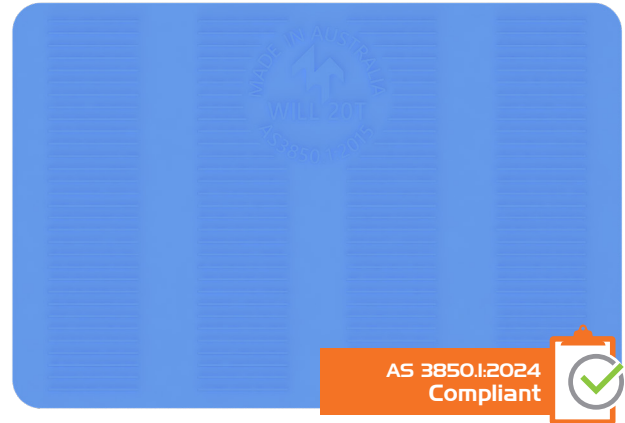
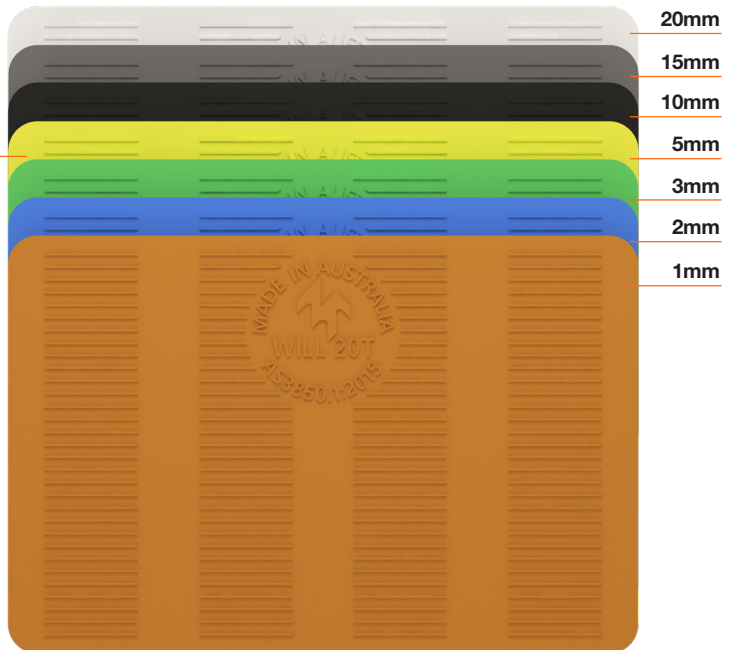


Figure 1: Blue Full Panel Shim (2mm)

## Figure 2: Reid™ Panel Shim Range



Full Shim



Reid™ Panel Shims comply with AS 3850.1:2024.

### Reid™ Panel Shims Key Features:

- Reid Panel Shims have been designed for the temporary leveling & support of precast elements.
- They are manufactured in our ISO accredited Australian factory.
- Reid Panel Shims are colour coded by thickness, for easy identification.
- They are also permanently marked with the Reid logo & 34t for easy identification.
- Reid Panel Shims have a minimum coefficient of friction of 0.3.



# Compliance Details

**Table I: AS 3850.1:2024 Compliance Details**

Clause	Requirement	Compliant
2.2	The Working Load Limit has been determined by testing in accordance with Appendix A, using a FOS per Table 2.1.	
2.8.1	Not deform more than 5% after 15 min tested at room temp.	
	Not deform more than a total of 8% (additional 3%): - after 48 hours tested at room temp - after 12 hours tested at 40°C	
	Not oxidize or expand when exposed to moisture.	
	Permanently marked with WLL & for traceability.	
	WLL derived using statistical methods based on ultimate load determined from the onset of plastic deformation.	
2.8.2	The Working Load Limit has been determined by testing in accordance with Clause 2.2 & the compressive strength of the material per Appendix A.	
A3	Testing and recording of results.	
A4	Statistical evaluation of test results, using formula A4, $X_k = x(1 - k_s \text{COV})$ .	
A5	Production Validation through testing to confirm compliance of critical specification requirements (dimensions, material properties and load bearing capacity where appropriate).	
A11.2	Shim specimen full-sized sample, as-manufactured without special conditioning.	
A11.3	Tested with sustained compressive force = WLL x FoS for: - 48 hrs @ 15-25°C (room temp) - 12 hrs @ 40°C	
A11.4	Characteristic strength of shim taken as sustained test force WLL x FoS.	

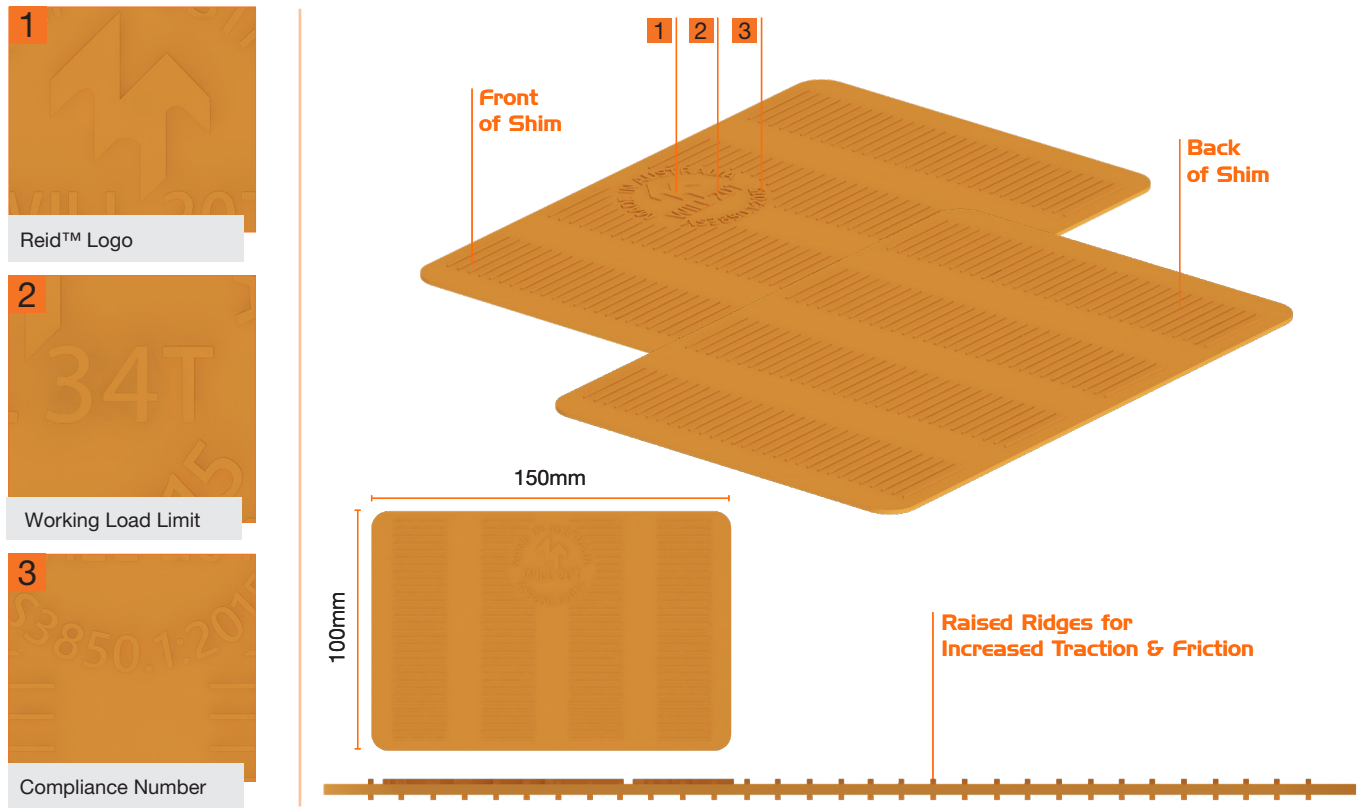


# Product Specifications

**Table 2: Full Panel Shim Product Codes**

Type	Product Codes	Shim Thickness (mm)	Dimensions (mm)	Working Load Limit (WLL)	Colour	Pack Qty
Full Shim	SHIM01	1	150 x 100	34t	Brown	100
	SHIM02	2	150 x 100	34t	Blue	200
	SHIM03	3	150 x 100	34t	Green	100
	SHIM05	5	150 x 100	34t	Yellow	100
	SHIM10	10	150 x 100	34t	Black	40
	SHIM15	15	150 x 100	34t	Grey	40
	SHIM20	20	150 x 100	34t	White	30
Half Shim	SHS01	1	75 x 100	17t	Brown	200
	SHS02	2	75 x 100	17t	Blue	400
	SHS03	3	75 x 100	17t	Green	200
	SHS05	5	75 x 100	17t	Yellow	200
	SHS10	10	75 x 100	17t	Black	80
	SHS15	15	75 x 100	17t	Grey	80
	SHS20	20	75 x 100	17t	White	60

## Reid™ Full Panel Shim Features & Markings



# Testing & Verification



Reid™ Panel Shim packaging contains our reid logo, WLL & batch number for traceability



In addition to batch testing, our Panel Shims have also been independently tested by an accredited NATA laboratory.



## NATA Independent Testing Scenarios



Figure 3: Compression Test



Figure 4: Test setup used for elevated temperature compression test

# Quality and Compliance

AS 3850.1:2024  
Compliant



All Reid™ branded products and all products manufactured at our Melbourne manufacturing facility are designed, manufactured, tested and supplied in compliance with our Quality Management System which has been independently audited and certified by SAI Global to ISO 9001:2015. Reid™ undertake strict quality control processes to ensure performance specifications and metallurgical properties are maintained.

To reflect the continued progress of the industry and the new innovative uses of precast and tilt-up construction, Australian Standard AS 3850 Part 1 and Part 2 has recently been updated in 2024. AS 3850 Part 1, Part 2 and Part 3 are detailed below.

- Part 1, called 'General requirements' details the updated performance and testing requirements for suppliers of componentry into the industry. These requirements are significantly different to AS 3850:2015 and should enable the industry to have greater confidence in the products that they are specifying and using.
- Part 2, called 'Building construction', aligns with the 2008 National Code of Practice for Precast, Tilt-Up and Concrete Elements in Building Construction and focuses on the interrelation of the various stages of manufacture, construction, transport and erection. It is specifically for the construction design and documentation of prefabricated concrete elements in building construction and provides guidance for the Erection Designer and highlights the importance of the Erection Design and Documentation. It was updated to align with the changes in Part 1 and the content in Part 3.
- Part 3, called 'Civil construction' provides requirements impacting prefabricated concrete elements in civil, infrastructure and non-building construction. Similar to Part 2, it focuses on various stages of safety, planning, manufacturing, construction design, casting, transportation, erection and incorporation into the final structure.

The new AS 3850.1:2024 is central for the safe, efficient and cost-effective manufacture, construction, transport and erection of prefabricated concrete elements.



Quality and compliance are at the core of everything we do. Our commitment to ISO 9001:2015 certification ensures every Reid™ product meets the highest standards of safety, performance, and reliability.







## Customer Service

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