



Look for ICCONS® NCC Logo to ensure you are using compliant products



1. What is SA TS 101:2015?

SA TS 101:2015 is a new technical specification (TS) published by Standards Australia that outlines the minimum requirements for the design, testing and assessment of cast-in anchor channel and post installed fasteners.

2. How does this technical specification apply to the building and construction industry?

On May 1st 2016 the National Construction Code (NCC) was updated to include SA TS 101:2015 as a referenced standard in Building Code of Australia (BCA) Volumes 1 & 2. {Ref. Vol. 1 clause B1.4 (b) (iii) and Vol. 2 clause 3.11.6 (f) (iii)}

3. What is covered by technical specification SA TS 101:2015?

Post Installed fasteners and cast-In anchor channel for 'Safety Critical' applications in concrete only.

4. What is 'Safety Critical'?

Safety critical applications are where failure may endanger human life, result in collapse or partial collapse of the structure, and/or cause considerable economic loss.

5. What isn't covered by SA TS 101:2015?

All other types of fastening design including seismic design, fire design and stress development of rebar (ref. to AS3600) etc...

For applications outside the scope of SA TS 101:2015 please refer to anchor manufacturers for guidance.

6. DO I need to comply with SA TS 101:2015 & NCC 2016?

If your building is designed (post 1st May 2016) and referenced according to the NCC 2016 and is based on a deemed to satisfy solution, which most buildings are, then all post-installed fasteners must comply with SA TS 101. This requirement is a mandatory and legal obligation.

7. Can I use a fastener with an ETA (European Technical Assessment/approval)?

Yes, products that carry a current ETA comply with the requirements in SA TS 101:2015. A suitably qualified design engineer must determine suitability of these fasteners prior to use.

8. Are all ETA's the same?

No, ETA compliant products have been tested and approved for specific applications e.g. concrete, masonry, rebar or threaded rod. Not all ETA's carry all these tests. The suitability of an anchor and/or ETA must be determined by a qualified design engineer responsible for the application.



9. **Can I use a non ETA approved product?**

Yes, provided you;

- a) Follow the approved alternative solution method (performance solution) and have the design engineer responsible for the application sign off on the data & product. (Ref. –“Compliance with the NCC”, <http://www.abcb.gov.au/Resources/Publications/Education-Training/Compliance-with-the-NCC>).
- b) Submit testing & certification report on the proposed product that states compliance with SA TS 101:2015 & Appendix B.

10. **Can ICCONS® help me with compliance to SA TS 101:2015?**

Yes, ICCONS® has a comprehensive range of ETA approved and SA TS 101:2015 compliant mechanical and chemical anchoring systems for post-installed applications, please refer to www.iccons.com.au.

11. **What about Brace Inserts?**

Brace inserts for bracing of concrete prefabricated panels must comply with AS 3850.1:2015 appendix A9. Refer to the ICCONS® PBA20115 anchor.

12. **Are temporary applications covered in SA TS 101:2015?**

No, temporary applications are not covered in SA TS 101:2015, please refer to product manufacturer/supplier for guidance.

13. **How is the NCC enforced?**

NCC requirements are legally binding, governed by States and Territories Building Acts, and enforced by Building Certifiers/Surveyors.

14. **Where does liability rest if a wrong fixing is used and something fails?**

Liability rests with everyone involved in the construction and building process. Designers must specify suitable products, contractors must source and use those products and suppliers/distributors must supply suitable products. Builders & Contractors must ensure sign-off by Building Certifiers. Those in the chain that do not comply make themselves legally liable!

15. **Is there a 'grace' period between the 1st May 2016 and into the future where it's OK to not follow the NCC and SA TS 101; 2015?**

No, as of 1st May 2016 any building that is designed in accordance with the 2016 NCC must show compliance either via a deem-to-satisfy solution or performance solution. Refer to Australian Building Codes Board (ABCB) for details.

16. **As a distributor of post installed chemical and mechanical anchors, what are my obligations?**

Always ask your customer the question – Is your application “Safety Critical”???

If the answer is “YES” supply SA TS 101:2015 compliant fixings for all applications that are safety critical. If your customer cannot ascertain if their fixing needs are safety critical or not simply supply a product that is SA TS 101:2015 compliant. **Don't take the risk!**

Products should always be approved before use by a design professional responsible for the application.