

## **Durability of post-installed fasteners**

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As a deemed to satisfy solution under the National Construction Code (NCC 2022), all fasteners need to be prequalified and designed in accordance with AS 5216: *Design of post-installed and cast-in fastenings in concrete*. Appendix A of the standard requires testing and assessment of the fasteners under different conditions. However, the prequalification requirements in AS 5216 do not consider durability issues such as corrosion, fire, fatigue etc. This paper reviews the current state of the prequalification and design of post-installed and cast-in fasteners considering durability requirements. It also provides recommendations for designing the fasteners with a focus on the durability of the connection.