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SNZ TS 3404:2018 Durability requirements for steel structures and components

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Abbreviation

SNZ TS 3404:2018

Valid from

22/02/2018

Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

Format

PDF

Cited By

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Description

This Standard covers the corrosion protection of structural steelwork exposed to New Zealand atmospheric and non-atmospheric environments.

Asset owners, engineers, architects, contractors, specifiers of corrosion protection systems, and the surface coating industry can use this technical specification, which provides an advanced framework for specifying the durability requirements for steel structures and components in atmospheric and in non-atmospheric environments, and will enable durability requirements to be met without over-specification or under-specification of coating systems.

The technical specification updates the information contained in section 5 of NZS 3404.1:2009 and is republished as a stand-alone technical specification.

It is a simplification of the design procedure for durability determination given in Heavy Engineering and Research Association Report R4-133:2011 New Zealand Steelwork Corrosion and Coatings Guide, and is intended to be used to ensure that structural steelwork is sufficiently durable to meet the requirements of the NZ Building Code Clause B2, the New Zealand Transport Agency (NZTA) Bridge manual, the NZTA Protective coatings for steel bridges, as well as remain compatible with NZS 3404:1997.

The technical specification should be used together with AS/NZS 2312.1:2014 and AS/NZS 2312.2:2014. As the fabrication and erection provisions of NZS 3404.

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SNZ TS 3404:2018 is cited by Acceptable Solution B2/AS1: Durability from 30/11/2018

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[Back](#)

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- [AS/NZS 2310:2002](#)

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- [AS/NZS 3750.15:1998](#)

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- [AS/NZS 3750.9:2009](#)

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- [AS/NZS 4534:2006](#)

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- [AS/NZS 4792:2006 \(Reconfirmed in 2017\)](#)

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- [AS/NZS 5100.6:2017](#)

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Australian Standards

- [AS 1397-2011](#)

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- [AS 1627.4-2005](#)

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Other

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- [AAMA 2604-13](#)

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- [Protective coatings for steel bridges](#)

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Back

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