

Class 1

# SPAX Outdoor Screws

Product Disclosure Information Self-Assessment

Version: Decking &amp; Facades

<b>Product name</b>	SPAX Outdoor Screws
<b>Product line</b>	
<b>Product identifier</b>	SPAX - Decking and Facade

## Product description

SPAX decking and facade screws are a range of self-tapping screws for use in timber or composite decks, boardwalks and facades.

- Head styles are cylinder head for decking screws and countersunk for facade screws.
- Thread diameters range from 4.0mm to 8.0mm.
- Lengths range from 35mm to 120mm.
- Materials of manufacture are A2 or A4 stainless steel and Delta-Seal coated steel for timber-to-steel decking screws.

## Relevant building code clauses

B1 Structure — B1.3.1, B1.3.2, B1.3.3 (b, d, e, f, g, h, j, q), B1.3.4

B2 Durability — B2.3.1 (a)

F2 Hazardous building materials — F2.3.1

## Contributions to compliance

- B1: Compliance with B1 Structure depends on design by the designer (consulting structural engineer or architect) where structural capacity of the screws exceeds the actual loads applied. Design data is available to designers to comply with this clause using the SPAX Design Guide to ETA and EC5, NZS 3603 or AS/NZS 1720.
- B2.3.1: SPAX screws are available with WIROX coating, DELTA-SEAL coating or stainless steel to suit the various durability requirements of the building. WIROX is suitable for indoor environments only. DELTA-SEAL coating is suitable for outdoor environments which are not directly exposed to salt water and also for use in CCA, ACQ and LOSP treated timbers. Stainless steel is suitable for use in more

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corrosive environments including where exposed to salt water.

The most suitable coating or material for the required durability in the surrounding environment of the application is to be determined by the designer. Further information can be found in the SPAX European Technical Assessment ETA 12/0114 and on the SPAX Pacific website.

- F2: Not applicable

## Scope of use

SPAX decking and facade screws are intended for use in securing deck boards to timber, steel and aluminium joists as well as timber facades to timber framing.

## Conditions of use

- Installation of SPAX products should be carried out by a competent professional, in accordance with any manufacturer's installation instructions provided.
- Deck boards should be pre-drilled using the appropriate SPAX step-drill
- It is recommended to pre-drill in facades before the screw is installed. Drill bit diameters are provided in the "Pre-drilling Guidelines", the SPAX "Connection Design According to NZS 3603" or the "SPAX European Technical Assessment ETA 12/0114".

## Supporting documentation

The following additional documentation supports the above statements:

Title (type)	Version	URL
SPAX Decking Screw (Installation)		<a href="https://www.spaxpacific.com/documents">https://www.spaxpacific.com/documents</a>
SPAX Timber-to-Steel Screw (Installation)		<a href="https://www.spaxpacific.com/documents">https://www.spaxpacific.com/documents</a>
SPAX Timber-to-Aluminium Screw (Installation)		<a href="https://www.spaxpacific.com/documents">https://www.spaxpacific.com/documents</a>
SPAX Boardwalk Screw (Installation)		<a href="https://www.spaxpacific.com/documents">https://www.spaxpacific.com/documents</a>
SPAX Boundary Joist & Post Fixing Solution (Design, Installation)	August 2023	<a href="https://www.spaxpacific.com/documents">https://www.spaxpacific.com/documents</a>

## Contact details

<b>Manufacture location</b>	Overseas
<b>Legal and trading name of manufacturer</b>	SPAX International GmbH & Co. KG
<b>Legal and trading name of importer</b>	SPAX Pacific Pty Ltd

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<b>Importer address for service</b>	2/12 Marphona Cres Takanini, Auckland 2105
<b>Importer website</b>	www.spaxpacific.com
<b>Importer NZBN</b>	112 113 932
<b>Importer email</b>	info@spaxpacific.co.nz
<b>Importer phone number</b>	09 570 7447

## Warnings and bans

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

No

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## Appendix

### BPIR Ready selections

Category: Fixings and fasteners

### Building code performance clauses

All relevant building code performance clauses listed in this document:

#### B1 Structure

##### B1.3.1

*Buildings, building elements and sitework* shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

##### B1.3.2

*Buildings, building elements and sitework* shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

##### B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements and sitework*, including:

- (b) imposed gravity loads arising from use
- (d) earth pressure
- (e) water and other liquids
- (f) earthquake

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- (g) snow
- (h) wind
- (j) impact
- (q) time dependent effects including creep and shrinkage

#### B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,
- b. the intended use of the *building*,
- c. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of *buildings*

## B2 Durability

#### B2.3.1

*Building elements* must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (a) the life of the building, being not less than 50 years, if:
  - i. those *building elements* (including floors, walls, and fixings) provide structural stability to the *building*, or
  - ii. those *building elements* are difficult to access or replace, or
  - iii. failure of those *building elements* to comply with the *building code* would go undetected during both normal use and maintenance of the building

## F2 Hazardous building materials

#### F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.