

Sleeve Anchor

BPIR Declaration

Version: v1

Designated building product: Class 1

Declaration

Wurth New Zealand Ltd has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	Sleeve Anchor
Line	
Identifier	Sleeve Anchor

Description

Masonry anchor consisting of a threaded plow bolt and a carbon steel sleeve for light-duty loading.

Scope of use

Ideal for fixing time to concrete, form work, bottom plates to floors; Services - ductwork, pipes, brackets, cable tray, lightweight suspended ceilings; Metalwork - signs, gates, door frames; Lightly duty loading.

Conditions of use

Not recommended for use in structural application, tensile loads, and fluctuating loads.

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

Clause B1 (Structure): Sleeve anchors must be designed to withstand the loads they will encounter during construction and throughout the building's life. They should contribute to the stability of the building, not degrade under physical conditions, and protect lives and other property. Compliance with B1 Structure is contingent upon the design crafted by a designated professional, such as a consulting structural engineer or architect, ensuring compliance with the provisions stipulated in NZS 3101.1&2:2006 and NZS 3109:1997.

Clause B2 (Durability): The durability of sleeve anchors is essential for the long-term stability of the structures they are used in. They are offered in multiple coating options or in stainless steel to ensure appropriate durability for the intended use, taking into consideration the environmental conditions in which the product will be situated. The selection of the most appropriate coating or material should be made by the designer.

Clause F2 (Hazardous Building Materials): Sleeve anchors should not contain or emit harmful materials and are safe when handled. There are no requirements for this product in order to comply with Acceptable Solution F2/AS1, First Edition Amendment 3, 2017.

For detailed compliance information, it is recommended to refer to the official building codes and standards, which provide comprehensive guidelines on the use of sleeve anchors in construction projects.

Supporting documentation

The following additional documentation supports the above statements:

None added

For further information supporting Sleeve Anchor claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	N/A
Legal and trading name of importer	Wurth New Zealand Ltd
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Appendix

Note: The below appendix includes information relating to BPIR Ready.

Publishing this information is not a requirement under BPIR. Its inclusion here is to provide a reference for how this BPIR summary was generated as well as to help summary creators understand the performance clauses suggested by BPIR Ready.

BPIR Ready selections

Category: Fixings and fasteners

Building code performance clauses

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
- (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: those building elements (including floors, walls, and fixings) provide structural stability to the building, or those building elements are difficult to access or replace, or 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.