Screw 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	Screw Anchor
Line	
Identifier	Screw Anchor / Screw Bolt

Description

Screw Anchors are engineered to carve their own threads into concrete and masonry materials, providing a secure hold for fastening objects. They feature a notched hex flange head that delivers superior clamping power and resistance to vibrations. These anchors are suitable for both temporary and permanent installations in materials such as concrete, brick, hollow brick, or block.

Scope of use

Screw bolts are designed for heavy-duty anchoring applications and are commonly used to fasten objects securely to concrete.

Conditions of use

Selection and installation of screw bolts should be carried out by a competent professional, in accordance with the manufacturer's installation instructions.

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): These anchors must be structurally adequate for their intended use, capable of withstanding the loads and stresses they will encounter without failure. This includes meeting the specifications for high-strength structural steel bolts with associated nuts and washers as outlined in the Australian/New Zealand joint Standard AS/NZS 1252.

Clause B2 (Durability): Hexagon head screw bolt anchors should be durable, maintaining their structural integrity over the life of the building. This involves being resistant to corrosion and other environmental factors that could compromise their strength and performance.

Clause F2 (Hazardous Building Materials): The materials used in these fasteners should not be hazardous to health, meaning they should not release harmful substances during their normal use. This ensures the safety of individuals who come into contact with them or reside in buildings where they are used.

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

Supporting documentation

The following additional documentation supports the above statements:

Anchor Snapshot	https://catalogue.wurth.co.nz/bkm_workspace/index.html?catalog=AnchorSnapshot

For further information supporting Screw 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.