

DEWALT PURE500+ CHEMICAL ANCHOR

BPIR Declaration

Version: V1

Designated building product: Class 1

Declaration

STANLEY BLACK & DECKER (NZ) 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	DEWALT PURE500+ CHEMICAL ANCHOR
Line	The PURE500+™ is a two-component epoxy adhesive anchoring system.
Identifier	DFC1110500

Description

The PURE500+ system includes injection adhesive in plastic cartridges, mixing nozzles, dispensing tools and hole cleaning equipment. The PURE500+ is a high strength adhesive designed for various applications and hole drilling techniques, including diamond coring, and cleaning techniques. It is suitable for anchoring threaded rods and reinforcing bars in cracked and uncracked concrete, and also approved for water filled holes. PURE500+ is also very suitable for bonding rebars to concrete as post-installed rebar application.

Scope of use

The PURE500+ is a high strength adhesive designed for various applications and hole drilling techniques including diamond coring. It is suitable for bonding anchor steel elements to cracked and uncracked concrete, and also approved for water filled holes. PURE500+ is also very suitable for bonding rebars to concrete as post-installed rebar application. The adhesive is approved for a medium range of ambient temperatures and is relatively slow setting.

Conditions of use

PURE500+ supplied by Stanley Black & Decker must be used in accordance with all information supplied by the company. For supporting information refer to <https://anchors.dewalt.com.au/product/pure500/>

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

PURE500+ Is an ETA Approved Product.

• ETA-20/1287 • ESR-48

The approvals include for use in, • Cracked and uncracked concrete, • F120 Fire Rated • Post-installed rebar applications, • Seismic loadings to category C1, C2 • Water filled drilled holes, and • Overhead applications • 100 Year Design Life

Supporting documentation

The following additional documentation supports the above statements:

None added

For further information supporting DEWALT PURE500+ CHEMICAL ANCHOR claims refer to our website.

Contact details

Manufacture location	New Zealand
Legal and trading name of manufacturer	STANLEY BLACK & DECKER (NZ) LTD
Manufacturer address for service	39 BUSINESS PDE EAST TAMAKI 2013
Manufacturer website	anchors.dewalt.com.au/
Manufacturer email	Via website www.stanleytools.co.nz/support/contact-us
Manufacturer phone number	0800421004
Manufacturer NZBN	9429000069380

Responsible person

As the responsible person as set out in Regulation 3, I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that DEWALT PURE500+ CHEMICAL ANCHOR is not subject to a warning on ban under [s26 of the Building Act](#).

Signed for and on behalf of **STANLEY BLACK & DECKER (NZ) LTD**:

Your Signature

Justin Goode
Group Marketing Manager
September, 2024

STANLEY BLACK & DECKER (NZ) 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.