



BRANZ Appraised
Appraisal No. 1139 [2020]

EZIYAKA PADS

Appraisal No. 1139 [2020]

Amended 30 July 2024



BRANZ Appraisals

Technical Assessments of products for building and construction.



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Product

- 1.1 The Eziyaka Pad is a round, 100 mm thick, concrete pad for use as a support for a square timber pile or post prior to concreting the footings.

Scope

- 2.1 The Eziyaka Pad has been appraised for use as a support for timber pile or post footings for buildings designed to NZS 3604.
- 2.2 The Eziyaka Pad has also been appraised for use as a timber pile or post footing for buildings subject to specific engineered design.

Building Regulations

New Zealand Building Code (NZBC)

- 3.1 In the opinion of BRANZ, Eziyaka Pads, if designed, used installed and maintained in accordance with the statements of this Appraisal, will meet the following provisions of the NZBC:

Clause B1 STRUCTURE: Performance B1.3.1. Eziyaka Pads meet this requirement. See Paragraph 8.1.

Clause B2 DURABILITY: Performance B2.3.1 (a), not less than 50 years. Eziyaka Pads meet this requirement. See Paragraph 9.1.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Eziyaka Pads meet this requirement.

Technical Specification

- 4.1 System components supplied by Ezi Yaka Foundations Ltd are:
- **Eziyaka Pads:** round 30 MPa concrete discs either 260 mm or 370 mm in diameter and 100 mm thick, with an aperture in the centre to allow mechanical lifting and placement in excavated footings.

Handling and Storage

- 5.1 Eziyaka Pads are packaged on shrink wrapped pallets for delivery. They are reasonably robust, and are not affected by moisture. They should be stored in a dry area out of direct sunlight prior to use.

Technical Literature

- 6.1 This Appraisal must be read in conjunction with:
- Conqra Ezi Yaka Pre-Cast Concrete Pad System - 2023.
 - Product Technical Statement.
- 6.2 All aspects of design, use, installation and maintenance contained in the Technical Literature and within the scope of this Appraisal must be followed.

Design Information

General

- 7.1 The Eziyaka Pads locate the base of 125 x 125 mm square timber piles 100 mm above the base of the footing, as required by NZS 3604 Clause 6.4.5.6. It is a pre-cast 100 mm thick pad, which allows concrete to be poured around piles in a single placement. It also provides adequate support allowing other work to proceed prior to concreting.

Structure

- 8.1 Eziyaka Pads are for use in good ground as defined by NZS 3604. Pile loads will be transferred to the ground through the concrete once it has cured, as required by NZS 3604.

Durability

- 9.1 Once Eziyaka Pads are placed they will not undergo any degradation, and will have an expected durable life of at least 50 years.

Maintenance

- 10.1 Eziyaka Pads will not require any maintenance once the concrete has been placed around them.

Installation Information

Installation Skill Level Requirement

- 11.1 Installation of Eziyaka Pads can be carried out by any building contractor.

Installation

- 12.1 The depth and plan size of the holes for the piles must be in accordance with NZS 3604, Clauses 6.4.5.4 and 6.4.5.5.
- 12.2 Footings shall bear upon a level solid bottom in accordance with NZS 3604, Clause 3.4. Eziyaka Pads must be placed on the solid bottom.
- 12.3 Once the Eziyaka Pads and their associated piles have been installed, further construction work can take place prior to the placement of the concrete. It is important that access is maintained for concrete placement, and that no foreign material enters the holes prior to the concrete being poured.
- 12.4 When the concrete is placed it is important to ensure that it is properly compacted around the Eziyaka Pads to ensure full support. Concrete must be in accordance with NZS 3604 requirements.



Health and Safety

- 13.1 Suitable protective clothing should be worn when handling and placing wet concrete as it is highly alkali.

Basis of Appraisal

The following is a summary of the technical investigations carried out:

Investigations

- 14.1 Site inspections of Eziyaka Pad installations have been carried out by BRANZ to assess the practicability of installation, and to examine completed installation.
- 14.2 The Technical Literature for Eziyaka Pads has been examined by BRANZ and found to be satisfactory.

Quality

- 15.1 The manufacture of Eziyaka Pads has been examined by BRANZ, and details regarding the quality and composition of the materials used were obtained by BRANZ and found to be satisfactory.
- 15.2 The quality of components supplied by Ezi Yaka Foundations Ltd are the responsibility of Ezi Yaka Foundations Ltd.
- 15.3 Quality on-site is the responsibility of the building contractor.

Sources of Information

- NZS 3604: 2011 Timber-framed buildings.
- Ministry of Business, Innovation and Employment Record of amendments - Acceptable Solutions, Verification Methods and handbooks.
- The Building Regulations 1992.

Amendments

Amendment No. 1, dated 30 July 2024

This Appraisal has been amended to include references to the Technical Literature.



In the opinion of BRANZ, **Eziyaka Pads** are fit for purpose and will comply with the Building Code to the extent specified in this Appraisal provided they are used, designed, installed and maintained as set out in this Appraisal.

The Appraisal is issued only to **Ezi Yaka Foundations Ltd**, and is valid until further notice, subject to the Conditions of Appraisal.

Conditions of Appraisal

1. This Appraisal:
 - a) relates only to the product as described herein;
 - b) must be read, considered and used in full together with the Technical Literature;
 - c) does not address any Legislation, Regulations, Codes or Standards, not specifically named herein;
 - d) is copyright of BRANZ.
2. **Ezi Yaka Foundations Ltd**:
 - a) continues to have the product reviewed by BRANZ;
 - b) shall notify BRANZ of any changes in product specification or quality assurance measures prior to the product being marketed;
 - c) abides by the BRANZ Appraisals Services Terms and Conditions;
 - d) warrants that the product and the manufacturing process for the product are maintained at or above the standards, levels and quality assessed and found satisfactory by BRANZ pursuant to BRANZ's Appraisal of the product.
3. BRANZ makes no representation or warranty as to:
 - a) the nature of individual examples of, batches of, or individual installations of the product, including methods and workmanship;
 - b) the presence or absence of any patent or similar rights subsisting in the product or any other product;
 - c) any guarantee or warranty offered by **Ezi Yaka Foundations Ltd**.
4. Any reference in this Appraisal to any other publication shall be read as a reference to the version of the publication specified in this Appraisal.
5. BRANZ provides no certification, guarantee, indemnity or warranty, to **Ezi Yaka Foundations Ltd** or any third party.

For BRANZ



Chelydra Percy

Chief Executive

Date of Issue:

01 October 2020