

Connolly Biscuit Plate Dowel and Sleeve

Building Product Information Sheet

Connolly Biscuit Plate Dowels and Sleeves are designed to transfer loads across construction joints in slab-on-ground applications. The plastic sleeve encases one half of the plate dowel to de-bond the dowel from the concrete. Connolly Biscuit Plate Dowels allow for expansion, contraction, and lateral movement at the joint.

Connolly Biscuit Plate Dowels are manufactured from steel to AS/NZS 3679.1 Grade 300 and in 6mm or 10mm thickness. Dowels are available in black (BLK), hot-dip galvanised (GAL) or stainless steel (S/S) finish. Coated dowels are galvanised to AS/NZS 4680:2006, 35µm for the 6mm size, and 55µm for the 10mm dowel.

Connolly Biscuit Dowel Sleeves are injection moulded from polystyrene for accuracy and stiffness, and are colour coded to indicate the plate dowel thickness. Products, supplied as a complete (dowel and sleeve) system, are identified by type, size and steel finish (e.g. CBP-10BLK).

Composition

- Connolly Biscuit Dowels are manufactured from grade 300 steel to AS/NZS 3679.1-300.
- Connolly Biscuit Dowel Sleeves are injection moulded from polystyrene.

Supporting documentation

- Product details, including design and installation guidelines, are presented in supporting technical documentation. See: Biscuit Plate Dowels. Available from: <https://www.connollykeyjoint.com/our-products/jointing-solutions/biscuit-plate-dowels>

Product Identifier

- CBP- _ _ _ _

Relevant Building Code clauses:

- Clause B1 Structure - B1.3.1, B1.3.2, B1.3.3, B1.3.4
- Clause B2 Durability - B2.3.1 (a)
- Clause F2 Hazardous Building Materials - F2.3.1

Contributions to Compliance:

Clause B1 Structure

- Connolly Biscuit Plate Dowels and Sleeves will contribute to compliance subject to intended use and in accordance with the slab-on-ground design of a suitably qualified engineer. Biscuit Plate Dowel design capacities have been calculated in accordance with TR34, Fourth Edition – Concrete Industrial Ground Floors, and presented in the supporting technical documentation.

Clause B2 Durability

- **B2.3.1 (a).** Connolly Biscuit Plate Dowels and Sleeves will meet the provisions of B2.3.1 (a) of not less than 50 years subject to placement and use in accordance with the design and required durability assessment and consideration of the responsible engineer working to the appropriate design and environmental standards.

Clause F2 Hazardous Building Materials

- **F2.3.1.** Connolly Biscuit Plate Dowels and Sleeves meet the performance requirements under Clause F2.3.1.

Manufacturer and Importer Details:

Place of Manufacture:	Overseas
Manufacturer:	Leviat Pty. Ltd., 98 Kurrajong Avenue, Mount Druitt Sydney, NSW 2770
Manufacturer Email:	info.au@leviat.com
Importer Name:	Leviat New Zealand Limited
Importer Address:	246D James Fletcher Drive, Otahuhu, Auckland, 2024
Importer Website:	www.leviat.com/en-nz
Importer Email:	info.nz@leviat.com
Importer Phone:	+64 9 276 2236
Importer NZBN:	9429031339056

Connolly Biscuit Plate Dowel and Sleeve

Building Product Information Sheet

Limitations on use:

Connolly Biscuit Plate Dowels and Sleeves should only be used as intended to transfer loads across construction joints in slab-on-ground applications.

Design requirements to support appropriate use:

- Leviat recommends Designers refer to *TR34, Fourth Edition – Concrete Industrial Ground Floors* to determine the dowel capacity.
- Construction joints incorporating Connolly Biscuit Plate Dowels and Sleeves must be sealed and maintained in accordance with the design and durability assessment of the responsible engineer.

Installation requirements:

- Connolly Biscuit Plate Dowels and Sleeves shall be installed by a competent contractor in accordance with Leviat installation guidelines and the specific engineering design and guidance of the designer.
- Installation guidelines are available in the supporting technical documentation.

Maintenance requirements:

- Maintenance of the system will not normally be required during the expected life of the system.

Warning or ban:

- This product is not subject to any warning or ban under section 26 of the Building Act 2004.