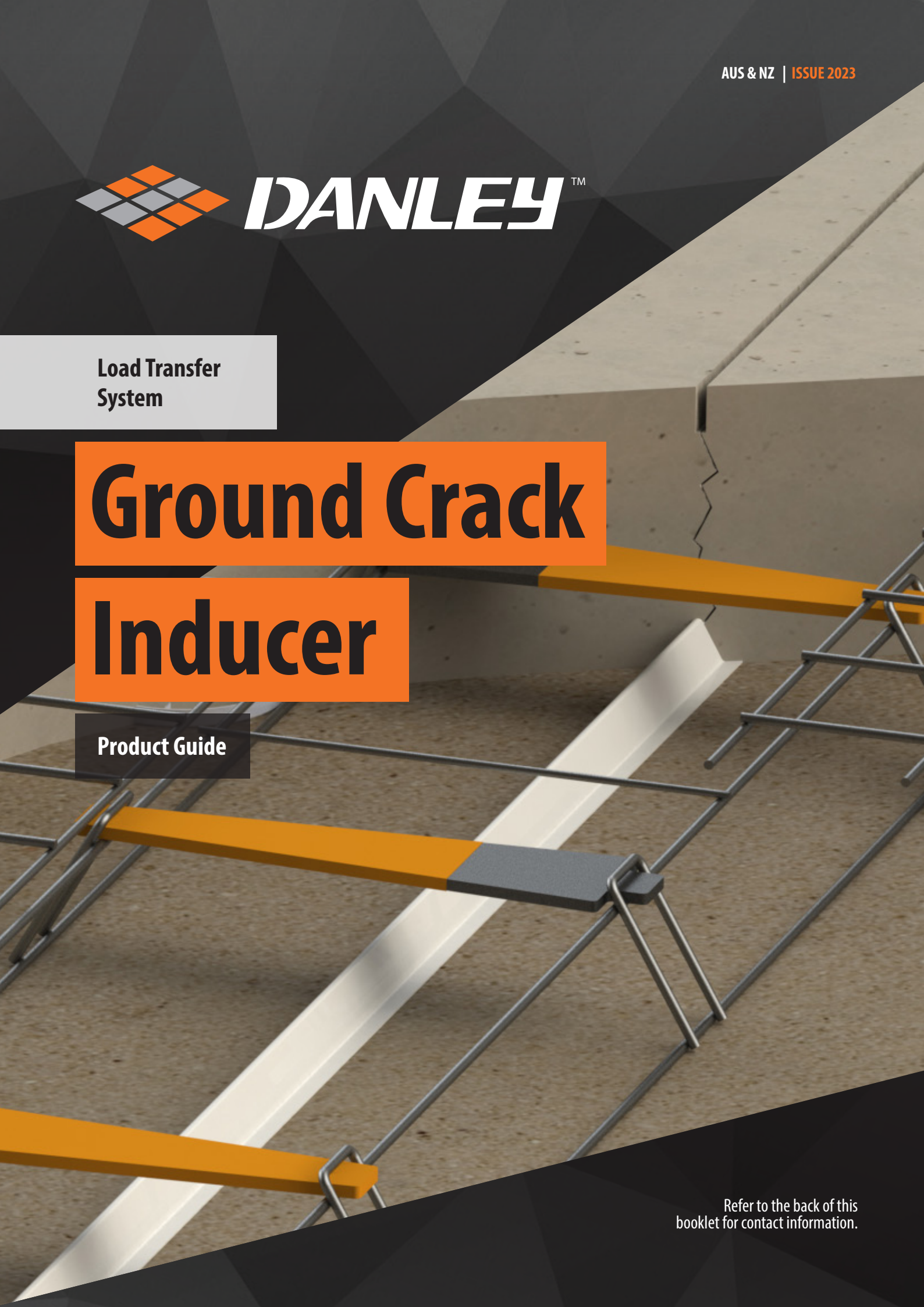
AUS & NZ | ISSUE 2023

DANLEY™

Load Transfer System

Ground Crack Inducer

Product Guide



Refer to the back of this booklet for contact information.

Danley™ Ground Crack Inducer

Pavement Jointing System

Technical Data Sheet

November 2023

Product Description

Ground Crack Inducer is an inverted V-shaped durable PVC extrusion, supplied in 3m lengths and is available in 25mm and 50mm profile heights. It is positioned on the sub-grade before the dowel cradles are placed.

Ground Crack Inducer produces a weakening in the slab that initiates a crack in the slab from the bottom up. The Ground Crack Inducer should only be used in conjunction with a PD3™ Plate Dowel Cradle when saw cuts are made in the slab within 2-3 hours of completing the finishing of the concrete.

Available Sizes

Product Code	Description
CRINDUC25X3	Crack Inducer 25mm X 3m
CRINDUC50X3*	Crack Inducer 50mm X 3m

*Not available in New Zealand

Applications

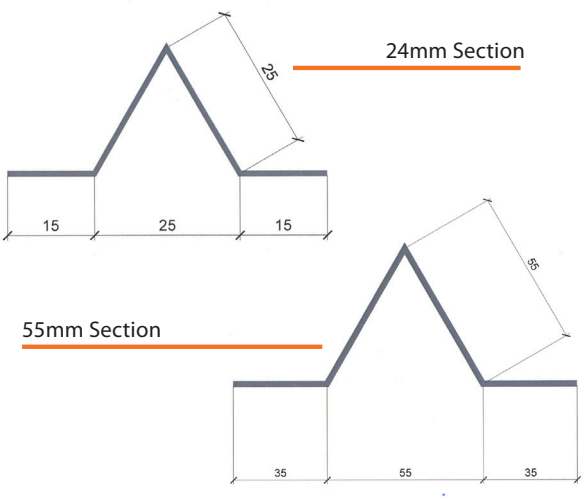
- To induce crack in floor slab from the ground up
- To control formation of crack in floor slab thereby reducing occurrence in undesired locations.

Advantages

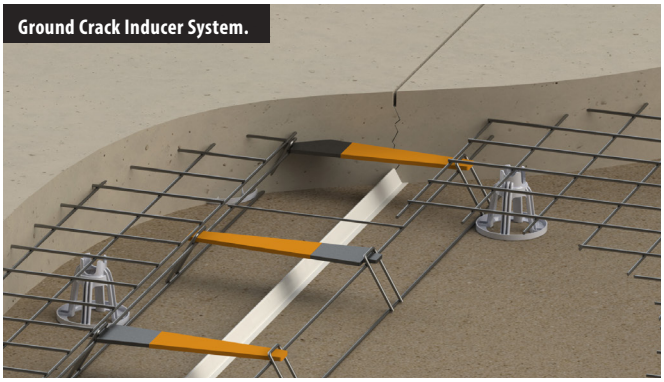
- Takes away the uncertainty of early fracturing of green concerete.
- Encourage green concrete to crack evenly throughout the pour.
- Combined with Danley Dowel Cradles, the **Ground Crack Inducer** and green concrete surface crack controling (i.e Danley **Crack-A-Joint**, saw cut) will give a positive shrink control where required.

Installation

- Simply tape the crack inducer onto polythene sheeting coverting subgrade formation.
- In the event that polythene sheeting is not used in floor slab subgrade preparation, nail the crack inducer onto the subgrade formation.



Notes: To be used with surface crack control (i.e Crack-A-Joint™, saw-cut). **Not to scale.**


Ground Crack Inducer System.

Environment

Industrial Pavements | Residential Pavements

How to Specify

To be specified together with either saw-cut or using surface crack control strip such as Danley™ Crack-A-Joint

- Sizes available: 25mm & 45mm section in 3m lengths
- Recommended usage: 25mm section for slav of thickness 15-200mm; 45mm section for slab of thickness > 200m

Product Compliance

Compliance statement

Danley™ Ground Crack Inducer complies with the New Zealand Building Code clauses identified below.

Compliance details: NZBC

NZBC Clause	Criteria	Compliance Status
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 (a), (b), (d), (e), (f), (g), (h), (j), (q)	'Account shall be taken of all physical conditions likely to affect the stability of buildings, building elements and sitework, including: (a) Self weight, (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 allowance 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.'	
B2.3.1 (a)	'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 (i) Those building elements . . . Provide structural stability to the building, or (ii) Those building elements are difficult to access or replace, or (iii) Failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building.'	
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.'	

Customer Service

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