



PRODUCT TECHNICAL STATEMENT (PTS)

Product Description: Silca System – Structural Paving Underlayment for elevated decks and patios. 400 x 450 x 38 mm 100% Recycled, engineered polycarbonate grate.

Scope of use: Silca System is fixed directly to the joists of any timber, aluminium or steel deck construction or over membrane joist system. It provides a solid, flat, braced surface on which to lay paving or tiling. It is suitable for use in all climate zones.

It is fixed direct to the joist with 6 screws per unit and within accordance with the manufacture's installation guide and specifications. (Ensure all deck substructure is in compliance with NZBC.)

Limitations: Polycarbonate (PCABS) does have strong resilience to chemicals and acids, however as a precaution it is advised to not wash or store Silca System with undiluted acids and chemicals.

Polycarbonate (PCABS) does have resilience to UV light – limited exposure or reflection is acceptable – however if product is to be installed in direct sunlight for long periods of time (5+ years) a UV proof additive can be added to the units during the manufacturing process.

Compliance with NZBC:

Structure – B1: Silca System installed per manufacturers recommendations and technical specifications provides an acceptable level of structural integrity and meets the requirements NSBC Clause B1. Every run of product is tested to over 5 tonne deformation when spanned from each to edge under strict quality control procedures by an ISO 9001 manufacturing facility.

Durability – B2: Silca System installed per manufacturers recommendations and technical specifications provides an acceptable level of durability of the product and meets the requirements of NZBC Clause B2. It is manufactured from 100% recycled Polycarbonate (PCABS) under strict quality control procedures by an ISO 9001 manufacturing facility.

Safety from falling – F4: Silca System installed per manufacturers recommendations and technical specifications provides and acceptable solid surface to Clause F4.2 in conjunction with Clauses B1 and B2. Where deck height is over 1m suitable railing and/or fall protection is required per Clauses 4.3.1 – 4.3.5.

Installation:

Silca System must be installed in accordance with the Silca System Manufacturers Recommendations and Installation Guide – and Technical specifications. Available on the website www.silcasystem.co.nz or email to info@silcasystem.co.nz