

## PRODUCT TECHNICAL STATEMENT

April 2024

### Proframe® Deck Framing System

70 x 45 extruded aluminium joist and bearer manufactured from 6063 T5 powder coated aluminium.  
70 x 90 extruded aluminium joist and bearer manufactured from 6063 T5 powder coated aluminium.  
43 x 43 extruded aluminium deck and tile trim manufactured from 6063 T5 powder coated aluminium.  
125 x125 Projack support feet manufactured from Polypropylene.  
304 grade stainless steel with black coating joist connectors  
304 grade stainless steel with black coating connector fasteners

### Purpose and Use

Proframe® aluminium deck joists and connectors are used to support timber decking, composite decking, structural tiles and Triger Turf. Primary applications include:

1. Over existing or new membrane structures as a floating frame.
2. Low height over ground applications.

All decking loadings are designed to a minimum of 2 Kpa.

No handrails should be supported either surface or face mounted to the Proframe® joists. Unless specifically designed by engineer.

### Conditions

Proframe® is suitable for both commercial and residential applications from 2kpa to 4kpa.

### Compliance with the New Zealand Building Code

The following documents are specifically referred to in this section:

NZBC B1	Structure
NZBC B2/AS1	Durability
NZBC F4/AS1	Safety from falling
AS/NZS 1866	Aluminium alloys - extruded rod, bar, solid and hollow shapes
NZS 3604	Timber-framed buildings
AS 3715	Metal finishing - Thermoset powder coatings for architectural applications.

### Design, construction and installation instructions.

Proframe® installation manual  
Producer Statement - PS1 – Design  
Proframe® Warranty  
6063 T5 Aluminium alloy extruded products data sheet (JOIST/BEARER)  
LULPOL GP3209A Polypropylene data sheet (PROJACK)

### Maintenance Requirements

In general, deck subframe should be cleaned every three months in urban areas and every six months in rural areas. In industrial and marine environments (within 1km of the sea), cleaning should be six monthly with a warm water detergent wash, as well as monthly cold water washing.

### Inspection

Visually inspect the deck frame ensuring the substrate is free from debris and all drainage points are clear. Ensure a 15mm standoff is maintained around all deck edges where they meet any vertical surfaces.

### Cleaning

Wash down using a hose and mild household detergent solution to remove dust, salt, dirt and other deposits and rinse off with lots of clean fresh water.

**DO** remove obvious deposits as they occur.

**DO NOT** expose the frame to aggressive solvents, or any other chemicals as these products may attack the subframe system reducing the life expectancy and voiding the Proframe® warranty.

### Quality assurance

All Proframe Ltd products are manufactured under ISO 9001 manufactures certifications.

### Product support

Copies of all the supporting literature are available by request or by download from [www.Proframe®.co.nz](http://www.Proframe®.co.nz) / [info@Proframe®.co.nz](mailto:info@Proframe®.co.nz) / 09 2746825.

### Warranty information

Proframe® provides a 15-year material defect warranty.