



## SPECIFICATION TEMPLATE

### TRAXION Mineral-fibre Technology Decking

#### 1. SCOPE OF WORK

The scope of work includes the design, supply, fabrication, and installation TRAXION Mineral-fibre Technology Decking, complete with all necessary sub-structures, anchors, hardware and fittings to provide a total installation and decking system from the structure out.

#### 2. MATERIAL AND FINISHES

##### Decking Material:

The decking shall be TRAXION Mineral-fibre Technology Decking supplied by Blue Chip Group Pty Ltd (Ph: 1300 945 123). TRAXION Mineral-fibre Technology Decking is a giant leap forward in wood-alternative decking. Made in USA with patented Mineral-fibre technology, it has the industry's best strength-to-weight ratio. It's powerful, stable and doesn't absorb moisture. Plus, the durable polymer cap stock won't stain or fade and has excellent slip resistance of P5, the highest possible slip-rating when tested to Australian standard AS 4586. The Mineral-fibre technology creates a fibre-like structure inside the material, like wood, giving it unmatched strength. The lightweight boards are easy-to-handle on the job site and unlike PVC or some other composites, TRAXION high-strength composite decking won't splinter, sag, chalk or crack.

##### Critical Specifications:

ITEM	TEST STANDARD	UNIT	RESULT
Slip Resistance Required	AS 4586	-	P5
Deck Weight per M2 Allowed	Actual	Kg/m2	16.45
Moisture Absorption Allowed	ASTM D 1037	24hr Submerged	<0.4%
Thermal Movement Allowed	ASTM D 696	mm/m/°C	<0.001

**\*\*NO ALTERNATIVE MATERIALS WILL BE ACCEPTED FOR THIS PROJECT\*\***

##### Colour Selection:

Refer to exterior finishes schedule.

(Select colour code/s from the 'Colour Chart' tab at the below link)

<http://www.bluechipgroup.net.au/timber-decking-perth/best-composite-decking-perth.html>

##### Profile Selections:

Deck Boards TRAXION 140 x 22mm Secret Fix Decking **\*\*Insert Colour\*\***, 5.8m Lengths

Edge Boards TRAXION 140 x 22mm Pencil Round **\*\*Insert Colour\*\***, 5.8m Lengths

##### Secret Fixings:

The TRAXION secret fix decking boards shall be installed using the proprietary CAMO secret-fix clip system, supplied by Blue Chip Group Pty Ltd. Secret-fixings shall be installed in accordance with the manufacturer's instructions.

##### Face Fixings:

The TRAXION edge boards, fascia boards and decking breaker boards, as required, shall all be fixed using the proprietary PRO PLUGS system which provides identically finished plugs to match the TRAXION decking, hiding the face-fixed screws. All face-fixings shall be installed in accordance with the manufacturer's instructions.



### 3. FABRICATION

#### Technical Manual:

The decking shall be fabricated and installed in accordance with the most recent version of the TRAXION Technical Manual which is available online at [www.bluechipgroup.net.au](http://www.bluechipgroup.net.au) or by emailing [sales@bluechipgroup.net.au](mailto:sales@bluechipgroup.net.au) or by calling **1300 945 123**.

#### Fixings General:

Fasteners, including concealed screws, nuts, bolts and other items required for connecting aluminium to aluminium or aluminium to steel shall be in accordance with AS 3566.2 and of a type to suit its application and exposure conditions.

- Class 1/2: Internal applications.  
Class 3: External applications, moderate industrial and marine applications.  
Class 4: Severe marine applications

#### Dissimilar Materials:

Where two surfaces of dissimilar material come into contact, such surfaces shall be separated with a layer of PVC or Polyethylene tape or powder-coat finish.

#### Warranty:

The decking shall be covered by a 25-year manufacturer's warranty. The warranty is subject to the decking system being fabricated and installed by a manufacturer trained and approved installer with a minimum 5 years' experience.

### 4. INSTALLATION

#### Installation Details:

The decking shall be fabricated and installed in accordance with the most recent version of the TRAXION Installation Details which are available online at [www.bluechipgroup.net.au](http://www.bluechipgroup.net.au) or by emailing [sales@bluechipgroup.net.au](mailto:sales@bluechipgroup.net.au) or by calling **1300 945 123**.

#### General:

All work to be carried out in accordance with the TRAXION manufacturer's recommendations and installation manuals as well as any relevant building codes, Australian standards and good commercial practice. All component parts shall be installed level, true to line with uniform joints using specialist tools as required in strict accordance with manufacturer's recommendations.

#### Sub-framing System:

The sub-framing system to be installed in a manner to ensure all applied loadings to the decking is transferred back to the ground and in accordance with expert structural engineering advice as required for any project or location. Size and spacing of sub-frame members shall be determined according to applied loads and deflection limitations. Joist spacings shall be installed at maximum 400mm centres or as required to adequately support the decking system.

#### Acceptable Sub-framing materials are:

- TRAXION mineral-fibre sleeper system for direct fix to concrete or paving
- Suitably treated structural grade timber to suit the project location & requirements
- Suitably treated steel sub-framing system to suit the project location & requirements
- Aluminium sub-framing system to suit the project location & requirements



## 5. SYSTEM COMPONENTS

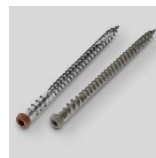
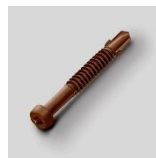
### Secret Fix Clip System:

Shall be CAMO secret fixing system supplied by Blue Chip Group Pty Ltd and installed using below tools in accordance with this manual and manufacturer's recommendations.



### Secret Fix Plug System:

Shall be PRO PLUGS colour-matched plugs & screws supplied by Blue Chip Group Pty Ltd and installed using below tools in accordance with this manual and manufacturer's recommendations.



### Specialist Tools:

Installation of above components shall be carried out using proprietary specialist tools supplied by Blue Chip Group Pty Ltd and used in strict accordance with manufacturer's recommendations.

