



Methods of Use

- 1) **Do not overload TechBoards** and adhere to maximum support span / working load limits

<u>Class (Duty Load)</u>	<u>Maximum Support Span</u>	<u>WLL:UDL (kg/kN)</u>	<u>Secure Method</u>
<u>Light</u>	1.00m	165kg / 1.69 kN	Simply Support Secured*
	1.20m	165kg / 1.69 kN	
<u>Medium</u>	1.10m	229kg / 2.25 kN	Secured*
<u>Heavy</u>	1.00m	258kg / 2.53 kN	Secured*
<u>Sole Board</u>	Min 150x150mm Distributed load	3.0T+	<i>Additional strength options available</i>

Calculated in accordance with AS/NZS 1577:2013 and AS/NZS 1576.1:2010

- 2) Utilise board retaining clips and/or joiner accessory to secure boards to scaffold*
- 3) Utilise ramp accessories where necessary to minimise trip hazards
- 4) Designed for use with tube and fit applications –intermediate supports may be applicable for system
 - a. Including KwikStage and Layher systems with correct supports
- 5) Joiner accessories are designed to have the sloped & punched side down allowing the board bays to be tied to an available support or tube
- 6) Reinforced TechBoards available for longer length and higher weight applications – enquire with TechPlas Extrusions
- 7) Ensure that TechBoards are installed according to all relevant OH&S, standards and regulations
- 8) Do not exceed safe carrying limits set by OH&S regulations
- 9) Do not drop boards or jump on to boards from height
- 10) Avoid nailing in to boards – Please consult with TechPlas for options for screwing plywood fillers
- 11) Notching, nailing / screwing and cutting Equipment will classify products to no longer be in good order
- 12) Acknowledge and cease use of TechBoards that have experienced damage
- 13) Due to the lower weight of the TechBoards during transportation and storage ensure boards are adequately secured
- 14) Due to the lower weight of the TechBoards during installation take note of relevant OH&S when sliding boards across steel tube
- 15) End cap accessories are designed for an interference fit, although can be made water-tight with the addition of an appropriate sealant. Please enquire for sealant and buoyancy requirements.
- 16) Minimise water build up inside the TechBoards before use and during storage (particularly limit potential clogging of snow or mud)
- 17) Store on flat surface or stand in racks if available
- 18) Regularly clean with use of a pressure washer or water hose

Any concerns or queries raised in regards to the TechBoard procedures above please contact the Tech Plas Extrusions Sales Department.



Recommended Installation

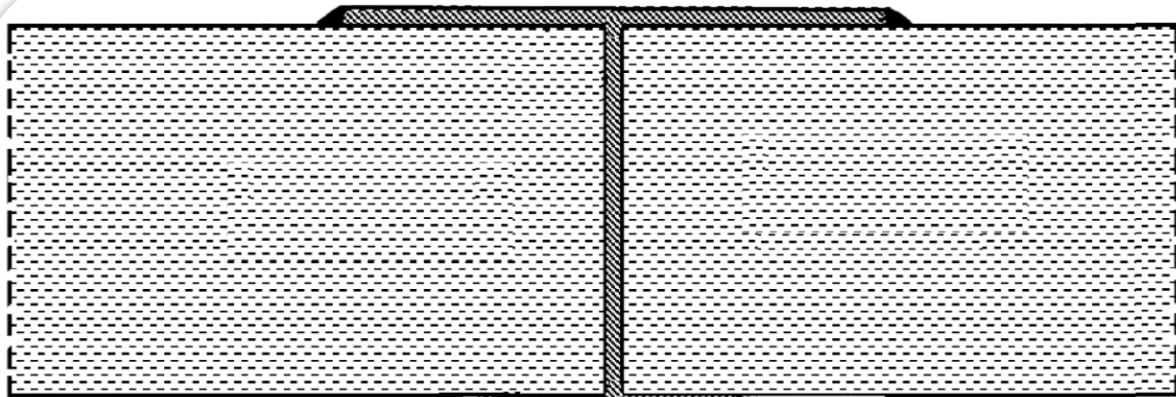
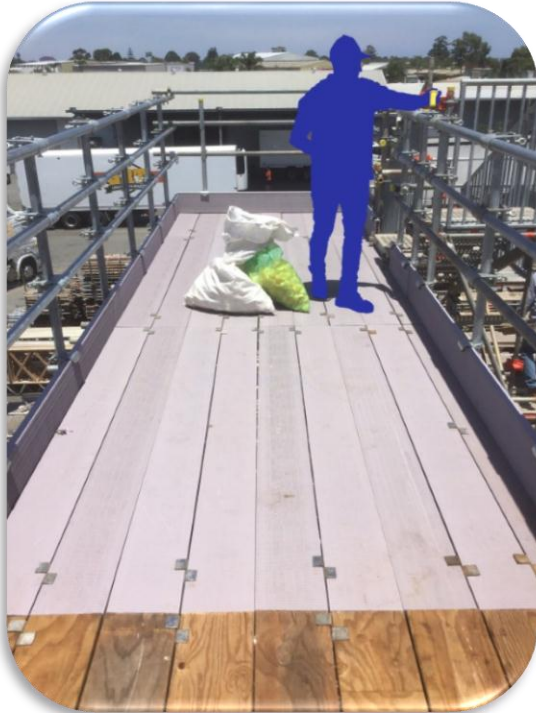
Tech Plas recommends the use of commonly available steel board retaining clips and/or our "H" section accessory to secure the TechBoard.

"H" sections can be used horizontally along the ends of the scaffold bays to prevent the ends "kicking up" – minimising a trip hazard; installation along the lengths of the boards will further secure the stability of the bay.

Simply supported (without the use of a securing method) the TechBoards **WLL:UDL is 165 Kg** and must have minimum transom **supports at 1.0m**.

This includes use with lashing only.

Black accessories can be used to mitigate static build up / discharge.

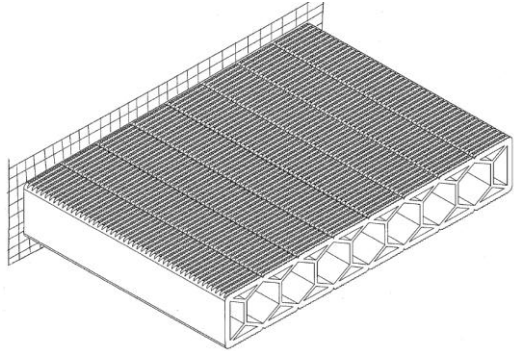


Tie-Downs
Lashing / Cable Tie

TUBE OR SUPPORT



Compliances

<p><u>Mechanical Compliance</u></p> <ul style="list-style-type: none"> • AS/NZS1577:2013 • BS2482:2009 • ANSI A10:2011 • EN 12811-1:2004 • MDG3608 – Coal Mines <p style="text-align: center;"><u>Additional</u></p> <ul style="list-style-type: none"> ❖ Fire & Smoke Suppressant ❖ Anti-static Accessories ❖ High-Grip Surface ❖ Chemical Resistant ❖ Recyclable PVC Polymer ❖ Cyclical weatherability: deflection and impact (-12°C-60°C) 	<p><u>Testing Agencies</u></p> <p style="text-align: center;">ALS Global</p> <p style="text-align: center;">MSTC NSW</p> <p style="text-align: center;">LMATS</p> <p style="text-align: center;">Trinity Scientific</p> <p style="text-align: center;">Deakin University</p>	
---	--	--

Material Safety Data Sheet

Chemical Composition:	Polyvinyl Chloride mixture		
EXTRUDED PVC BASE <i>BEST PRACTICE PVC</i>	Ingredients	CAS Number	Proportion (%)
	Polyvinyl Chloride	9002-86-2	50-85
	Talc Strengthened		10-30
	Stabiliser + Fire Retardants		1-5
	Impact + Modifiers		1-5

Product Name: TechBoard uPvc profile

Supplier: Tech Plas Extrusions Pty Ltd

This Material is not Hazardous according to the criteria set by Worksafe Australia.

Fire/Explosive Data:

Fire Hazard See MDG3608: Self extinguishing
Will sustain combustion while in presence of an ignition source
Suitable extinguishing agent: Water Jets will remove heat in the material, which may still producing decomposition products at elevated temperature.
Decomposition products: Carbon, Hydrogen chloride
(Can result in hydrochloric acid when in contact with moisture)

Fire Fighting PPE: When fighting fires, self contained breathing apparatus & full protective clothing should be worn.

Fire Fighting Procedure: Remove source of ignition



**Unusual Fire & Explosion
Hazard:**

uPVC decomposes when burned, evolving hydrogen chloride, carbon monoxide, & other toxic gases. Exposure to combustion products may be fatal & should be avoided.

Product includes modifiers to mitigate the evolution of these gases.

Skin contact:

No significant hazard.

Possible reaction with allergic dermatitis suffers to uPVC dust.

Contact with Eyes:

No significant hazard.

Irritation and soreness of eyes may be caused due to uPVC dust.

Inhalation (of UPVC dust):

No significant hazard.

Ingestion:

No significant hazard.

Emergency Action:

Skin Contact:

If exposed to dust wash thoroughly with soap & water.

Contact with eyes:

Flush eyes for at least 15 minutes holding eyelids apart to ensure complete irrigation of all eye & lid tissue. If irritation occurs seek medical attention.

Inhalation (of fumes):

Under decomposition due to excessive conditions (Fire). If exposed to toxic fumes through decomposition of PVC due to fire, remove to fresh air. If breathing has stopped, give mouth – mouth resuscitation & get medical attention.

Ingestion:

None normally required.

Disposal Consideration:

Tech Plas Extrusions intends to offer a rebate on Equipment in good condition at end of life for the purpose of recyclability – please enquire with Tech Plas Extrusions.

Special Protection:

Handling:

(Non Hazardous)

Use appropriate gloves and manual handling techniques as grip could cause potential abrasions.

Storage :

Flat surface or standing up-right in stillages away from direct weather exposure if possible

Approved Contact Point:

Andrew Swann (Business Development Manager)

Address:

Tech Plas Extrusions Pty Ltd
321 Wentworth Avenue
PENDLE HILL NSW 2145
Phone: 02 9636 6755