

XT Barrier Edge Protection Installation Guide

Safety Considerations

Prior to commencing installation of XT Barrier Edge Protection, a site safety inspection must be undertaken and suitable controls implemented to reduce or eliminate the risk of injury.

1. Identify hazards to yourself & others and implement the controls required to reduce the risk so far as reasonably.
2. Assess the likelihood of injury including to the public and implement appropriate controls.
3. Consult with others who may be affected by the installation of the XT Barrier Edge Protection system.
4. Complete necessary permits, inductions, assessments & SWMS
5. Verify the controls are in place before commencing and make changes if required.
6. Ensure the correct PPE is worn by all team members
7. All relevant site safety rules & legislative requirements must be adhered to at all times
8. Panels and posts must be handled using safe lifting practices

Do	Don't
DO ensure transport vehicle is on solid, even ground before unloading.	DON'T work under the influence of alcohol, other drugs or fatigue.
DO maintain distance from suspended loads & mobile plant.	DON'T attached signage or shade-cloth to edge protection without confirming the wind loading.
DO, where possible, work away from the public & mobile or slewing plant.	DON'T impede walkways, roadways or otherwise deviate from permits, plans or instructions.
DO ensure debris is removed & ground is solid, dry & even to avoid slips or trips.	DON'T install where there is risk of falls greater than 2m without height safety equipment.
DO maintain panel bundles and posts are firmly & evenly strapped before transporting.	DON'T use faulty equipment or tools.

Basic Components

<p>Edge Protection Panel - 14kg</p> <p>Dimensions:</p> <p>1000 x 2400mm 50 x 50mm square mesh</p>	
<p>Edge Protection Galvanised Steel Posts- 2.5kg</p> <p>Dimensions:</p> <p>50 x 50 x 1005mm Post 152 x 152 x 5mm base plate</p>	

Fixings

Jaybro recommends the use of M10 x 75mm Screw Bolt Anchor Hex (Jaybro part 1BTHY10075) to secure the edge protection posts to stable concrete with strength of 40MPa or greater.

Where Jaybro the recommended fixing solution is not used, the fixings and method must be selected according to the nature of the substrate to which the edge protection is attached. The fixings must be able to withstand the following applied forces with elastic deformation of less than 100mm for the installation to comply with AS/NZS 4994.1:2009 :

- A force of 600N acting outwards or downwards at any point on the top edge or post
- A force of 840N (350N per linear metre) acting outwards or downwards at any point on the top edge or post
- A horizontal force inward or outward of 600N acting anywhere on the panel.
- Wind loading in accordance with AS/NZS 1170.2 Clause 3.1.2.

Basic Installation

1. Determine an appropriate starting point for the edge protection.
2. Fix the first post using the bottom flange with an appropriate fixing
3. Attach the fence panel by sliding the panel into the mechanism on the post.
4. Lock the panel in place with the retaining bracket and tighten the retaining bolt at the rear of the post.
5. Attached the second post to the end of the panel and fix the post in place.
6. Repeat the above steps until the required edge protection has been installed.