



Xtreme Vortex Risk Assessment for Mobile Climbing Wall – The Five Step Approach

Step 1	Step 2	Step 3	Step 4	Step 5		
Identify the hazards	Who might be harmed and how?	What are you doing already?	Risk Rating	Action required	Responsible person	Date completed
Incorrect erection of climbing wall	Participant/Operator	Training on all procedures to be given to all operating staff in house	Low	Operator training	Operator/ Xtreme Vortex	Ongoing
Climbing wall Sinking into soft ground	Participant/Operator	Climbing wall is to be used on firm surface. Surface checked before vehicle drives onto it. When necessary wood packing must be used under supporting legs to prevent sinking and any risk of sinking	Low	Operator training	Operator	Ongoing
Overhead cables	Participants/ Operator	Area to be checked prior to wall erection to ensure adequate clearance of any overhead cables	Low	Operator training	Operator	Ongoing
Cable failure	Participant/Operator	Cables inspected regularly for any signs of fraying. Cables changed yearly as recommended by the manufacturer's guidelines	Low	Servicing and maintenance Instructor training	Operator/ Xtreme Vortex	Ongoing



Hydraulic failure	Participant/Operator	Regular checks carried out. Hydraulics are checked as part of yearly service to climbing wall as manufacturers guidelines suggest	Low	Servicing and Maintenance. Operator training	Operator/ Xtreme vortex	Ongoing
Karabiner failure	Participant/instructor	Karabiner's removed from wall when not in use to prevent damage. Karabiners checked prior to every ascent to ensure locking correctly	Low	Operator training	Operator	Ongoing
Injury as a result of improper behaviour	Participant/Operator	All climbers are fully briefed prior to climbing and supervised during their climb. Any participants not adhering to rules and guidelines will be removed from the climbing wall and not permitted to climb	Low	Operator training, monitoring and supervision.	Operator	Ongoing
Fall from height	Participants/Operator	Daily safety checks by instructor. Karabiners, helmets and harnesses checked prior to ascent	Low	Operator training	Operator	Ongoing
Falls due to loose handholds	Participants/Operator	Handholds checked prior to climbing wall being used	Low	Operator training and maintenance	Operator	Ongoing
Hitting head on climbing wall during ascent or decent	Participant	Helmets to be worn at all times during the climb.	Low	Operator training, monitoring and supervision	Operator	Ongoing



Helmet becoming caught during decent	Participant	Participants are all briefed and advised on how to decent the climbing wall. Constant supervision of climbers is required	Low	Operator training, monitoring and supervision	Operator	Ongoing
Descending onto waiting participants	Participants/Operator	Waiting participants kept at a safe distance from the climbing wall face by fence posts and chain	Low	Operator training, monitoring and supervision	Operator	Ongoing
Descent injury	Participant	Descent brief given to climbers prior to ascent	Low	Operator training, monitoring and supervision	Operator	Ongoing
Injury from landing on stabilisers during decent	Participant	Decent brief given to all climbers prior to ascent, stabilisers covered with cushioning	Low	Operator training, monitoring and supervision	Operator	Ongoing
Head injury from falling objects	Participant/ Operator	Helmets worn by participants. Participants required to remove all loose objects from their pockets	Low	Operator training, monitoring and supervision	Operator	Ongoing
Suspension injury from loose jewellery	Participant	Participants requested to remove or secure loose jewellery	Low	Operator training, monitoring and supervision	Operator	Ongoing
Crush injury to erection and lowering process	Operator	No unauthorised persons to be near the trailer as erecting and lowering takes place. Operator to be clear of wall by standing to the side.	Low	Operator training	Operator/ Xtreme Vortex	Ongoing



Heavy rain	Participant/Operator	Climbing wall not to be used in heavy rain	Low	Operator training, monitoring and supervision	Operator	Ongoing
High winds	Participant/Operator	Climbing wall not to be used in winds exceeding 30mph	Low	Operator training, monitoring and supervision	Operator	Ongoing
Stormy conditions/lightening	Participants/Operator	Climbing wall not to be used in storm conditions. In threat of lightening, climbing wall must not be used. Climbing wall must also be lowered down	Low	Operator training, monitoring and supervision	Operator	Ongoing
Injuries occurring during unsupervised use/access	Participant	Climbing wall is not permitted to be used unsupervised. Restricted access when not in use. Climbing wall to be lowered after last daily session on multiple day bookings	Low	Operator training	Operator	Ongoing