

Elite Concrete technical specifications

Risk assessment & method statement

These are generic R.A.M.S, not site specific and should be used as a guide only

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TVCB off-loading R.A.M.S. example

Mechanical off-loading / loading
of TVCBs from flat bed
articulated trailers using a
tele-handler/crane or similar
with lifting chains



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Risk assessment guide

Risk assessment guide table

Hazard probability (prob)	Factor	Hazard severity (sev)	Factor
Highly unlikely	1	Insignificant	1
Remote possibility	2	Minor - light damage	2
Fair chance	3	Moderate - damage / injury	3
Highly probable	4	Serious damage / injury	4
Almost certain	5	Dangerous - fatal	5

Risk factor calculation

Risk factor = Probability factor × Severity factor

Risk factor	Category	Action
1 - 5	Acceptable	Routine action
6 - 10	Acceptable	Employ safety systems
11 - 15	Marginal	Reduce risk / Employ all safety systems
16 - 20	Undesirable	Maximum caution / Close supervision
21 - 25	Unacceptable	Must not be allowed

Risk assessment

NOTE: Check to see if a full lifting plan is required

Description	Persons at risk	Control measures	Prob	Sev	Risk factor
Injury from falling objects	Driver/ pedestrians	All persons not within the vehicle cabs to wear hard hats. All chains/lifting equipment to be certificated. TVCBs to be lifted using fork-mounted hook attachment (or suitable chains & hook) and lifting shackle*. The lifting shackle will be supplied by Elite Precast Concrete or similar approved. Operator to be certified in the use of the tele-handler/crane/ excavator/etc. Tele-handler/crane/excavator/etc. to have a suitable SWL and Certificate of Thorough Inspection. In the case of pre-used blocks, check the galvanised lifting pin for signs of wear, corrosion or damage prior to lifting. Check the shaft diameter of the lifting pin (5t Pin = 20mm) and that the pin is not leaning or bent. TVCBs should not be lifted with forks from underneath. Never stand under a suspended load.	1	5	5
Injury from collision with vehicle	Driver/ pedestrians	All persons not within the vehicle cabs to wear hi-vis. All vehicles to be fitted with reversing alarms.	2	4	8
Fall from height	Driver/ pedestrians	All drivers to use harness, lanyard and carabiners and to anchor to TVCBs on the trailer, or trailer to have side rails fitted. Access and egress to vehicle via rear stepladder.	3	3	9
Injury from vehicle turning over	Driver/ pedestrians	Drivers to check terrain before beginning operations.	1	3	3
Trapped fingers	Pedestrians	Operators to position TVCBs via flat sides, not inbetween colliding TVCBs. Gloves must be worn.	1	5	5
PPE required		Safety boots, hi-viz, gloves, fall-arrest harness/lanyard, hard hat, site-specified extra PPE.			

* Connected to the central 5t lifting pin, or via wire loops, to the 4 × M24 sockets (located in the top of the barrier).

NOTE: A moffett forklift with a suitable SWL and hydraulic grab may also be used to unload/place barriers - this would require a separate risk assessment.

