

Alberta Small Employer OHS Legislated Requirements

Industry Code: 42104
Concrete Construction

This document is a guideline only. Employers have a responsibility of assessing all applicable occupational health and safety legislation, for the tasks they are performing.

This industry is comprised of forming, pouring and finishing concrete, including site preparation work and concrete paving and range from residential and commercial work, to complex industrial and civil projects.

Task description	Type of equipment used and workers employed
Concrete construction activities include the making, setting up or tearing down of forms and scaffolds, and the pouring and finishing of concrete. It includes concrete repair on sidewalks, driveways, curbs, columns, and dividers.	Portable mixers, subcontract transmit mix firms for concrete supplies, scaffolding, jack-hammers, concrete cutters, finishing machines, concrete pavers or slip formers, hand tools, wheelbarrows, trucks, etc. May employ engineers for complex concrete projects, and technical staff, labourers, operators, sales/estimators, and office/administrative staff and sales/installation
Concrete drilling, concrete cutting and mud-jacking are also activities conducted within this industry. Sometimes, old concrete may have to be removed. Concrete is cut with a special power saw to remove sections or portions that are damaged or starting to disintegrate, or cut to allow for placement of a window or drilled to allow piping or other access.	
Cribbing or formwork	
Placing/laying rebar for drive-ways, sidewalks, walls, buildings, bridges, etc.	

Relevant sections of OHS Legislation:

Occupational Health and Safety Act

Section 3,4,5 Obligations of employers, workers, etc.

- 40 Serious injuries and accidents
- 53 Investigation of injury or incident
- 31 Right to refuse dangerous work
- 36 Discriminatory action complaint
- 16-17 Joint Work Site Health and Safety Committees and Health and Safety Rep.

Occupational Health and Safety Regulation

- | | |
|----------------|----------------------------------|
| Section | 7 Availability of specifications |
| | 12 Equipment |
| | 13 General protection of workers |
| | 14 Duties of workers |
| | 15 Safety training |

Alberta Small Employer OHS Legislated Requirements

Industry Code: 42104
Concrete Construction

Occupational Health and Safety Code (2009)

Part 1 Section

Definitions and	1	Definitions
General Application	2.2	Designated person to prepare plan

Part 2 Section

Hazard Assessment,	7	Hazard assessment
Elimination and	8	Worker participation
Control	9	Hazard elimination and control

Part 3 Section

Specifications and	12	Following specifications
Certifications	13	Manufacturer's and Professional Engineer's specifications
	14	Certification by a professional engineer
	15	Approved equipment

Part 4 Section

Chemical Hazards,	16	Worker exposure to harmful substance
Biological Hazards	21	Potential worker exposure
and Harmful	22	Worker overexposure
Substances	24	Emergency baths, showers, eye wash equipment
	27	Storage of harmful substance
	Refer to schedule 1	

Part 5 Section

Confined Spaces	45	Hazard assessment
	46	Training
	48	Safety and protection - generally
	50	Unauthorized entry
	51	Traffic hazards
	55	Emergency response
	56	Tending worker
	57	Entry and exit

Part 7 Section

Emergency	115	Emergency response plan
Preparedness and	116	Contents of plan
Response	117	Rescue and evacuation workers
	118	Equipment

**Alberta Small Employer
OHS Legislated Requirements**

**Industry Code: 42104
Concrete Construction**

Part 8	Section	
Entrances, Walkways, Stairways and Ladders	119	Safe entry and exit
	120	Doors
	121	Walkways, runways and ramps
	122	Stairways
	123	Handrails on stairways

Part 9	Section	
Fall Protection	139	General protection
	140	Fall protection plan
	141	Instruction of workers
	142	Full body harness
	143	Connectors, carabiners and snap hooks
	144	Fall arrestors
	150	Equipment compatibility
	150.1	Inspection and maintenance
	150.2	Removal from service
	151	Clearance, maximum arresting force and swing
	152.1	Anchor strength - temporary
	152.1	Anchor strength - permanent
	152.2	Duty to use anchors
	152.3	Independence of anchors

Part 11	Section	
First Aid	178	Providing services, supplies, equipment
	179	Location of first aid
	180	Emergency transportation
	181	First aid providers
	182	Duty to report injury or illness
	183	Record of injury or illness
	184	First aid record access
	Refer to Schedule 2	

Part 12	Section	
General Safety	185	Housekeeping
Precautions	186	Lighting
	189	Securing equipment and materials
	192	Stabilizing masonry walls
	194	Vehicle traffic control

Part 14	Section	
Lifting and Handling	208	Equipment
Loads	209	Adapting to heavy or awkward loads
	210	Assessing manual handling hazards

**Alberta Small Employer
OHS Legislated Requirements**

**Industry Code: 42104
Concrete Construction**

Part 17	Section	
Overhead Power Lines	225	Safe limit of approach distances
	Refer to Schedule 4	

Part 18	Section	
Personal Protective Equipment	228	Duty to use personal protective equipment
	229	Eye protection (compliance with standards)
	233	Footwear
	242	Limb and body protection
	243	Skin protection
	244	Respiratory dangers
	245	Code of practice

Part 19	Section	
Powered Mobile Equipment	256	Operator Responsibilities
	257	Visual inspection
	258	Dangerous movement
	260	Inspection and maintenance
	261	Maintenance on elevated parts
	262	Starting engines
	263	Unattended equipment
	264	Lights
	265	Windows and windshields
	266	Other safety equipment
	274	Fuel tank in cab
	279	Refuelling
	290.1	Licensing and mechanical inspection (personal vehicle for work purposes)
	290.2	Safety requirements (concrete pump trucks)

Part 22	Section	
Safeguards	310	Safeguards
	315	Guardrails
	318	Protection from falling objects

Part 23	Section	
Scaffolds	323	CSA Standard applies
	324	Design
	325	Load
	326	Tagging requirements
	327	Vertical ladder on scaffold
	328	Working from a ladder
	329	Scaffold planks
	330	Scaffold platform
	331	Metal scaffolding

**Alberta Small Employer
OHS Legislated Requirements**

**Industry Code: 42104
Concrete Construction**

333	Double pole scaffolds
340	Single-pole scaffolds
346	Worker safety (elevated platforms and aerial devices)
349	Fork-mounted work platforms

Refer to schedule 6

Part 24

Section

Toilets and Washing Facilities	354	Restrictions by employer
	355	Drinking fluids
	356	Exception (temp. site)
	357	Toilet facilities

Part 25

Section

Tools, Equipment and Machinery	374	Actuated fastening tools
	381	Cut-off saws

Part 27

Section

Violence and Harassment	389	Hazard assessment
	390	Violence prevention plan
	390.4	Harassment prevention plan
	391	Training of workers
	391.1	Investigation and reporting of incidents

Part 28

Section

Working Alone	393	Application
	394	Precautions required (communication)

Part 29

Section

Workplace Hazardous Materials Information System (WHMIS)	397	Training
	398	Label required
	400	Decanted products
	404	Safety Data Sheet - Supplier
	406	Information current (SDS)
	407	Availability of Safety Data Sheet