FIELD LEVEL HAZARD ASSESSMENT (FLHA)

Business name

Document: FLHA-001 Rev 1
Assessed: 2026-11-09 17:46
Valid for this shift / task only
Highest risk after controls: Medium

1. BUSINESS AND JOB DETAILS

Job	Epoxy floor coating	**Start date**	Nov 9, 2026
Working hours	7:00 am to 3:30 pm	**Trade**	Painting

2. JOB STEPS, HAZARDS AND CONTROLS

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
1	Close the area and set up fresh air ventilation	Hazardous chemicals Confined space entry Rules: WHMIS 2015 and provincial OHS regulation; Provincial OHS regulation, confined spaces	**High Unlikely / Fatality**	1.1 Choose the least harmful product that does the job, for example water-based instead of solvent-based. [Substitution] 1.2 Use chemicals in well-ventilated areas, or use fans and extraction in closed rooms. [Engineering] 1.3 Hazardous chemicals: see step 3 for the full controls [Administrative] 1.4 Do the work from outside the space where you can, using cameras or long-reach tools. [Elimination] 1.5 Isolate and lock out all pipes, power and moving parts going into the space. [Engineering (guarding)] 1.6 Test the air for oxygen, flammable and toxic gases before entry, and keep testing during the work. [Engineering] 1.7 Use forced ventilation to keep the air clean. [Engineering] 1.8 Follow your province's confined space program with a written entry permit. Only trained workers enter. [Administrative] 1.9 Keep a trained standby person outside at all times, in contact with those inside. [Administrative] 1.10 Set up a rescue plan and rescue gear before entry. Never go in to rescue without the right gear. [Administrative] 1.11 Wear a harness for retrieval and the respirator the air test calls for. [PPE]	**Medium Unlikely / Lost time injury**	Site supervisor
2	Grind the slab with extraction to prepare the surface	Silica dust from concrete, brick, stone and tiles Loud noise Angle grinder injuries Rules: Provincial OHS regulation, silica exposure limits	**Critical Likely / Fatality**	2.1 Order materials cut to size, or use low-dust methods such as score and snap or a block splitter. [Substitution] 2.2 Cut outdoors or in a separate area, with other people well away and upwind. [Engineering (guarding)] 2.3 Use water on the blade or on-tool dust extraction connected to a HEPA vacuum. [Engineering] 2.4 Clean up with a vacuum or wet methods. Never dry sweep or use compressed air. [Administrative] 2.5 Have a silica exposure control plan where your province requires one. [Administrative] 2.6 Wear a fit-tested N95 (or better) respirator. [PPE] 2.7 Use quieter tools and methods, such as cut-to-size	**Medium Unlikely / Serious injury**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				materials, low-noise machines and battery tools. [Substitution] 2.8 Keep noisy equipment away from work areas, and use screens or distance between the noise and people. [Engineering (guarding)] 2.9 Keep tools maintained and use mufflers on compressors and generators. [Engineering] 2.10 Limit time on noisy tools and rotate workers. [Administrative] 2.11 If you have to shout to be heard 1 metre away, wear hearing protection. [Administrative] 2.12 Use a guarded saw or a different tool where you can. [Substitution] 2.13 Keep the guard on and use the side handle. Never remove the guard. [Engineering] 2.14 Use the right disc for the job, rated for the grinder's speed. Check it for cracks first. [Administrative] 2.15 Only trained people change discs, with the grinder unplugged or the battery out. [Administrative] 2.16 Keep both hands on the grinder and let the disc stop before putting it down. [Administrative]		
3	Mix epoxy with gloves and goggles, and avoid skin contact	Hazardous chemicals Eye injuries Rules: WHMIS 2015 and provincial OHS regulation	**Medium Possible / Lost time injury**	3.1 Choose the least harmful product that does the job, for example water-based instead of solvent-based. [Substitution] 3.2 Use chemicals in well-ventilated areas, or use fans and extraction in closed rooms. [Engineering] 3.3 Read the Safety Data Sheet (SDS) and WHMIS labels before use. Workers have WHMIS training. [Administrative] 3.4 Keep chemicals in labelled containers. Never decant into drink bottles. [Administrative] 3.5 Store chemicals away from heat, food and drink, and keep products that react with each other apart. [Administrative] 3.6 Have eye wash and a spill kit nearby, and wash hands before eating. [Administrative] 3.7 Wear chemical-resistant gloves and safety glasses or goggles as listed on the SDS. [PPE] 3.8 Use a respirator with the right cartridge if the SDS calls for one. [PPE] 3.9 Use tool guards and screens to stop flying particles. [Engineering] 3.10 Use dust extraction and water to keep dust out of the air. [Engineering] 3.11 Keep others out of the area when cutting, grinding or chipping. [Administrative] 3.12 Keep an eye wash station or eye wash bottles on site. [Administrative] 3.13 Wear safety glasses at all times, goggles for dust and chemicals, and a face shield for grinding. [PPE]	**Medium Unlikely / Lost time injury**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
4	Roll coats on, working towards the exit	Repetitive work and awkward postures Flammable liquids and gases	**High Unlikely / Fatality**	4.1 Use tools that cut the effort: powered screwdrivers, long-handled tools and extension poles for overhead work. [Substitution] 4.2 Set work up at waist height on benches or trestles where you can. [Engineering] 4.3 Use light tools with good grips, and keep blades and bits sharp. [Engineering] 4.4 Rotate tasks and take short breaks every hour on repetitive work. [Administrative] 4.5 Warm up before heavy physical work and report aches and pains early. [Administrative] 4.6 Wear knee pads for kneeling work and gloves for grip. [PPE] 4.7 Use non-flammable or water-based products where you can. [Substitution] 4.8 Keep ignition sources away: no smoking, no hot work and no running engines near flammables. [Engineering (guarding)] 4.9 Store fuels and solvents in approved, closed containers in a ventilated area away from the work. [Engineering] 4.10 Refuel equipment outdoors with the engine off and cool. [Administrative] 4.11 Keep only what you need for the day on site. [Administrative] 4.12 Store gas cylinders upright, secured and outdoors. [Administrative] 4.13 Keep a suitable fire extinguisher where flammables are used or stored. [Administrative] 4.14 Wear chemical gloves and safety glasses when pouring or mixing. [PPE]	**Medium Unlikely / Lost time injury**	Site supervisor
5	Keep the floor closed until cured and dispose of empty kits	Slips and trips Poor housekeeping and waste	**Medium Likely / Minor injury**	5.1 Plan walkways and keep them clear of materials, hoses and leads. [Elimination] 5.2 Run leads and hoses overhead on hooks or stands, or along walls, not across walkways. [Engineering] 5.3 Fill or cover holes, and lay boards or mats on muddy access paths. [Engineering] 5.4 Clean up offcuts, packaging and spills as you go, not at the end of the day. [Administrative] 5.5 Keep work areas, stairs and access paths well lit. [Administrative] 5.6 Wear safety boots with good grip, laced up. [PPE] 5.7 Order materials to size and send packaging back where you can. [Elimination] 5.8 Put waste bins and chutes close to the work. [Engineering] 5.9 Clean as you go, and do a full clean up at the end of each day. [Administrative] 5.10 Keep exits, stairs and walkways clear at all times. [Administrative]	**Low Unlikely / Minor injury**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				5.11 Stack materials neatly on level ground, away from edges. [Administrative] 5.12 Wear gloves when handling waste. [PPE]		

Risk key: risk = likelihood x consequence on a 5 x 5 matrix. Low, Medium, High, Critical. Work must not start while the risk after controls is high or above. Controls are listed in order of the hierarchy of controls: Elimination, Substitution, Engineering (guarding), Engineering, Administrative, PPE.

3. PPE AND PERMITS

Required PPE	Permits and plans
Respirator fit tested to CSA Z94.4 (P100 for dust, or the type the air test calls for) Chemical-resistant gloves Safety goggles Knee pads CSA green triangle safety boots (CSA Z195) Coveralls Safety glasses (CSA Z94.3) Hearing protection Face shield Cut-resistant gloves Work gloves	None required

4. PLANT AND EQUIPMENT

Plant / equipment	Licence or training needed	Inspection needed	Rego / ID	Last inspected	Certificate / report
Angle grinder					
HEPA vacuum					
Hand tools					

5. TRAINING REQUIRED FOR THIS WORK

- WHMIS training

6. CREW COMPETENCY, TICKETS AND LICENCES

Crew listed at sign-on below, with ticket and licence numbers.

7. EMERGENCY ARRANGEMENTS

Emergency number	911	**First aid kit**	In the work vehicle
Fire extinguisher	In the work vehicle	**Alarm and evacuation**	Shout for help and stop work. Make the area safe and go to the assembly point. Call the emergency number and send someone to meet the ambulance.

Reporting incidents	Report serious incidents to the provincial regulator as required.		

8. MONITORING, REVIEW AND LEGAL BASIS

The supervisor and crew review this assessment at the start of the shift, whenever the task, crew or conditions change, and before any new work process starts. Re-assess and initial the changes below.

Legal basis: Provincial occupational health and safety law (e.g. Ontario OHSA and O. Reg. 213/91, BC OHS Regulation, Alberta OHS Code). Employers must identify hazards before work starts and control them, and workers must be told about them. A field level hazard assessment is done on site, at the start of each shift or task, and reviewed again when conditions change.

Keep completed hazard assessments for at least 3 years (COR auditors sample the last 12 months). Review this FLHA and re-sign whenever the task, crew or conditions change.

9. PRE-JOB CHECKS

Check	Yes	No
PPE inspected and in good condition		
Tools and equipment inspected		
Permits reviewed and posted		
Locates valid and on site (if digging)		
Barricades or warning ribbon in place		
Muster point and emergency plan reviewed with the crew		
SDS available for products used		
Working alone check-in set up (if anyone works alone)		

10. RE-ASSESSMENT WHEN CONDITIONS CHANGE

Time	What changed	New hazards	Controls	Initials

11. END OF SHIFT REVIEW

Completed at		**Reviewed by**	

Area cleaned up and safe		**Permits closed**	
Incidents or near misses		**Hazards remaining**	

12. REVISION HISTORY

Rev	Date	By	What changed
1	Nov 9, 2026		First issue

13. SIGN-OFF

	Name	Signature	Date	
Prepared by				
Supervisor				
Prime contractor review				Accepted for use: Yes / No

By signing below, each worker confirms they took part in this hazard assessment, it was reviewed with them before work started, and they will follow it. Stop and re-assess if anything changes.

Name	Role / company	Tickets / licences	Signature	Date

Name	Role / company	Tickets / licences	Signature	Date