# FIELD LEVEL HAZARD ASSESSMENT (FLHA)

Business name

Document: FLHA-001 Rev 1
Assessed: 2026-11-09 17:32
Valid for this shift / task only
Highest risk after controls: Medium

## 1. BUSINESS AND JOB DETAILS

| | | | |
|---|---|---|---|
| **Job** | Wet area waterproofing | **Start date** | Nov 9, 2026 |
| **Working hours** | 7:00 am to 3:30 pm | **Trade** | Tiling |

## 2. JOB STEPS, HAZARDS AND CONTROLS

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| 1 | Check the substrate is sheeted, clean, dry and cured, and keep occupants out of the room | Working in an occupied home or building<br>Slips and trips | **Medium<br>Possible / Lost time injury** | 1.1 Plan noisy, dusty or risky work for when the building is empty. [Elimination]<br>1.2 Close off the work area with barriers, plastic sheeting or locked doors, and put up signs. [Engineering (guarding)]<br>1.3 Keep fire exits and paths clear at all times. [Administrative]<br>1.4 Tell occupants before you turn off power, water or gas, and before noisy or dusty work. [Administrative]<br>1.5 Lock away tools, chemicals and materials each day, out of reach of children. [Administrative]<br>1.6 Clean up dust and debris at the end of each day. [Administrative]<br>1.7 Plan walkways and keep them clear of materials, hoses and leads. [Elimination]<br>1.8 Run leads and hoses overhead on hooks or stands, or along walls, not across walkways. [Engineering]<br>1.9 Fill or cover holes, and lay boards or mats on muddy access paths. [Engineering]<br>1.10 Clean up offcuts, packaging and spills as you go, not at the end of the day. [Administrative]<br>1.11 Keep work areas, stairs and access paths well lit. [Administrative]<br>1.12 Wear safety boots with good grip, laced up. [PPE] | **Low<br>Unlikely / Minor injury** | Site supervisor |
| 2 | Read the safety data sheets and set up fans or open windows, as solvent membranes give off fumes | Hazardous chemicals<br><br>Rules: WHMIS 2015 and provincial OHS regulation | **Medium<br>Possible / Lost time injury** | 2.1 Choose the least harmful product that does the job, for example water-based instead of solvent-based. [Substitution]<br>2.2 Use chemicals in well-ventilated areas, or use fans and extraction in closed rooms. [Engineering]<br>2.3 Hazardous chemicals: see step 7 for the full controls [Administrative] | **Medium<br>Unlikely / Lost time injury** | Site supervisor |
| 3 | Have a licensed electrician isolate or make safe outlets and lights in the room if they will get wet, and run tools | Electric shock from cords and power tools | **High<br>Possible / Serious injury** | 3.1 Use battery-powered tools where you can. [Substitution]<br>3.2 Use GFCI protection on all temporary power and portable tools. [Engineering]<br>3.3 Keep cords off the ground and out of water, using stands | **Low<br>Rare / Serious injury** | Site supervisor |

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| | through GFCI protection | | | or hooks. [Engineering]<br>3.4 Check cords, plugs and tools before every use. Tag out and remove anything damaged. [Administrative]<br>3.5 Do not use tools in rain or wet areas unless they are rated for it. [Administrative]<br>3.6 Wear safety boots and dry gloves. [PPE] | | |
| 4 | Prepare the surface, grinding with extraction | Silica dust from concrete, brick, stone and tiles<br>General dust<br>Loud noise<br><br>Rules: Provincial OHS regulation, silica exposure limits | **Critical Likely / Fatality** | 4.1 Order materials cut to size, or use low-dust methods such as score and snap or a block splitter. [Substitution]<br>4.2 Cut outdoors or in a separate area, with other people well away and upwind. [Engineering (guarding)]<br>4.3 Use water on the blade or on-tool dust extraction connected to a HEPA vacuum. [Engineering]<br>4.4 Clean up with a vacuum or wet methods. Never dry sweep or use compressed air. [Administrative]<br>4.5 Have a silica exposure control plan where your province requires one. [Administrative]<br>4.6 Wear a fit-tested N95 (or better) respirator. [PPE]<br>4.7 Use low-dust products, such as dust-reduced or pre-mixed compounds. [Substitution]<br>4.8 Seal off the work area with plastic sheeting in occupied buildings. [Engineering (guarding)]<br>4.9 Use tools with dust extraction and a vacuum for clean up. [Engineering]<br>4.10 Lightly mist the area with water to keep dust down, away from anything electrical. [Engineering]<br>4.11 Never dry sweep or blow dust off with compressed air. [Administrative]<br>4.12 Use quieter tools and methods, such as cut-to-size materials, low-noise machines and battery tools. [Substitution]<br>4.13 Keep noisy equipment away from work areas, and use screens or distance between the noise and people. [Engineering (guarding)]<br>4.14 Keep tools maintained and use mufflers on compressors and generators. [Engineering]<br>4.15 Limit time on noisy tools and rotate workers. [Administrative]<br>4.16 If you have to shout to be heard 1 metre away, wear hearing protection. [Administrative] | **Medium Unlikely / Lost time injury** | Site supervisor |
| 5 | Fit bond breakers, puddle flanges and angles | Hazardous chemicals<br>Cuts from sharp edges<br><br>Rules: WHMIS 2015 and provincial OHS regulation | **Medium Possible / Lost time injury** | 5.1 Read the Safety Data Sheet (SDS) and WHMIS labels before use. Workers have WHMIS training. [Administrative]<br>5.2 Keep chemicals in labelled containers. Never decant into drink bottles. [Administrative]<br>5.3 Hazardous chemicals: see step 7 for the full controls [Administrative]<br>5.4 Deburr or cover sharp edges, and fit edge protectors on exposed sheet metal. [Engineering]<br>5.5 Use knives with retractable or self-retracting blades. | **Medium Unlikely / Lost time injury** | Site supervisor |

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| | | | | [Engineering]<br>5.6 Cut away from your body and keep your other hand clear. [Administrative]<br>5.7 Put used blades in a blade bin or sharps container. [Administrative]<br>5.8 Use two people to handle large sheets of metal or glass. [Administrative]<br>5.9 Wear cut-resistant gloves and long sleeves. [PPE] | | |
| 6 | Prime the surface, keeping all ignition sources away until it is dry | Flammable liquids and gases<br>Hazardous chemicals<br>Fire and emergencies<br><br>Rules: WHMIS 2015 and provincial OHS regulation | **High Unlikely / Fatality** | 6.1 Use non-flammable or water-based products where you can. [Substitution]<br>6.2 Keep ignition sources away: no smoking, no hot work and no running engines near flammables. [Engineering (guarding)]<br>6.3 Store fuels and solvents in approved, closed containers in a ventilated area away from the work. [Engineering]<br>6.4 Refuel equipment outdoors with the engine off and cool. [Administrative]<br>6.5 Keep only what you need for the day on site. [Administrative]<br>6.6 Store chemicals away from heat, food and drink, and keep products that react with each other apart. [Administrative]<br>6.7 Have eye wash and a spill kit nearby, and wash hands before eating. [Administrative]<br>6.8 Hazardous chemicals: see step 7 for the full controls [Administrative]<br>6.9 Provide fire extinguishers suited to the site, checked and easy to reach. [Engineering]<br>6.10 Keep exits and escape routes clear and signed. [Engineering]<br>6.11 Have a site emergency plan: alarm, exits, assembly point and emergency contacts. [Administrative]<br>6.12 Keep a stocked first aid kit and at least one trained first aider on site. [Administrative]<br>6.13 Know the site address and how emergency services get in. Call 911. [Administrative] | **Medium Unlikely / Lost time injury** | Site supervisor |
| 7 | Apply the membrane in coats with nitrile gloves and the respirator the SDS lists (an organic vapour cartridge for solvent or polyurethane products), kneeling on pads | Hazardous chemicals<br>Repetitive work and awkward postures<br><br>Rules: WHMIS 2015 and provincial OHS regulation | **Medium Possible / Lost time injury** | 7.1 Choose the least harmful product that does the job, for example water-based instead of solvent-based. [Substitution]<br>7.2 Use chemicals in well-ventilated areas, or use fans and extraction in closed rooms. [Engineering]<br>7.3 Read the Safety Data Sheet (SDS) and WHMIS labels before use. Workers have WHMIS training. [Administrative]<br>7.4 Keep chemicals in labelled containers. Never decant into drink bottles. [Administrative]<br>7.5 Store chemicals away from heat, food and drink, and keep products that react with each other apart. [Administrative]<br>7.6 Have eye wash and a spill kit nearby, and wash hands | **Medium Unlikely / Lost time injury** | Site supervisor |

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| | | | | before eating. [Administrative]<br>7.7 Wear chemical-resistant gloves and safety glasses or goggles as listed on the SDS. [PPE]<br>7.8 Use a respirator with the right cartridge if the SDS calls for one. [PPE]<br>7.9 Use tools that cut the effort: powered screwdrivers, long-handled tools and extension poles for overhead work. [Substitution]<br>7.10 Set work up at waist height on benches or trestles where you can. [Engineering]<br>7.11 Use light tools with good grips, and keep blades and bits sharp. [Engineering]<br>7.12 Rotate tasks and take short breaks every hour on repetitive work. [Administrative]<br>7.13 Warm up before heavy physical work and report aches and pains early. [Administrative]<br>7.14 Wear knee pads for kneeling work and gloves for grip. [PPE] | | |
| 8 | Let it cure, then flood test | Slips and trips | **Medium Likely / Minor injury** | 8.1 Slips and trips: see step 1 for the full controls [Administrative] | **Low Unlikely / Minor injury** | Site supervisor |
| 9 | Clean tools and dispose of waste membrane and tins properly | Hazardous chemicals<br>Poor housekeeping and waste<br><br>Rules: WHMIS 2015 and provincial OHS regulation | **Medium Possible / Lost time injury** | 9.1 Hazardous chemicals: see step 7 for the full controls [Administrative]<br>9.2 Order materials to size and send packaging back where you can. [Elimination]<br>9.3 Put waste bins and chutes close to the work. [Engineering]<br>9.4 Clean as you go, and do a full clean up at the end of each day. [Administrative]<br>9.5 Keep exits, stairs and walkways clear at all times. [Administrative]<br>9.6 Stack materials neatly on level ground, away from edges. [Administrative]<br>9.7 Wear gloves when handling waste. [PPE] | **Medium Unlikely / Lost time injury** | Site supervisor |

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 |
|---|---|
| Chemical-resistant gloves<br>Safety glasses (CSA Z94.3)<br>Respirator fit tested to CSA Z94.4 (P100 for dust, or the type the air test calls for)<br>Knee pads<br>N95 respirator | None required |

| Required PPE | Permits and plans |
|---|---|
| CSA green triangle safety boots (CSA Z195)<br>Safety goggles<br>Coveralls<br>Work gloves<br>Hearing protection<br>Cut-resistant gloves | |

## 4. PLANT AND EQUIPMENT

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

## 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 |
| | | | |

| Rev | Date | By | What changed |
|---|---|---|---|
| | | | |

## 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 |
|---|---|---|---|---|
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| Name | Role / company | Tickets / licences | Signature | Date |
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