



BASELINE RISK ASSESSMENT FOR PAINTING OF GEORGE MUNICIPAL BUILDINGS: ERF 71

COMPANY		EQProject Managers and Safety Solutions (PTY) LTD		<div>HAZARD IDENTIFICATION AND RISK ASSESSMENT</div> <div>   </div>									
COMPILED BY		Dunyiswa Nosana											
DATE OF ASSESSMENT		26 August 2025											
SCOPE OF WORK		SUPPLY, INSTALLATION, AND APPLICATION OF PAINT WORK FOR GEORGE MUNICIPAL BUILDINGS: ERF 71, George.											
REVIEW DATE		EVERYONE (1) year or after reportable incident or change in scope of work.											

Probability Index	5	Almost certain to inevitable	Severity index injury /disease	5	Fatal	Severity index (Production)	5	No production for at least 12 months	Severity index due to Environment	5	Permanent effects	Severity index (Financial impact)	5	Greater than R500 000.00	Frequency index	5	Hazards permanently present
	4	Probable		4	Permanently disabling injury		4	Loss of 1 month or more		4	Long term > 2 years		4	R100 000. 00 – R499 999,00		4	Hazards arises every week
	3	Improbable		3	Likely to be absent for more than 14 days		3	Loss of 1 week in production		3	Medium – 6 months to 12 months		3	R10 000.00 – R99 999.00		3	Hazards arises every month
	2	Less than even a chance		2	Medical recovery within 14 days		2	Loss of 1 day in production		2	Short term 1 day to six (6) months		2	R1 000.00 – R9 999.00		2	Hazards arises every year
	1	Highly improbable		1	First aid only		1	Loss of half day in production		1	Insignificant effect		1	R0 – R999.00		1	Hazards arises every five (5) years
	0	Not probable		0	Near misses		0	No loss of time but production affected by shock of employees		0	No aspect or impact		0	No cost involved		0	No hazards exists
				PRIORITY OF ACTION					ACTION TO BE TAKEN								

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			RISK VALUE	A	75 – 100%	Immediate	Training, Safe Work Practice, Method Statements & detailed action plans		
				B	60 – 74%	Within 1 week	Training, Safe Work Practice, Method Statements & detailed action plans		
				C	45 – 59%	Within 1 month	Training, Safe Work Practice, Method Statements & detailed action plans and registers		
				D	30 – 44%	Within 6 months	Training and Safe Operating Procedures		
				E	15 – 29%	Within 12 months	Training		
				F	0 – 14%	As reasonable	Training		
Ref No.	Sequence of Activity in Action	Hazards (Safety, Health, and environment)	Risk rating E (L + C)				Control Measure	Control Effectiveness Rating	
			Exposure (E)	Likelihood (L)	Consequence (C)	Risk Rating		Control Type	Control effectiveness rating
1.	Chemical Exposure from pain	Fumes, solvents, primer etc	2	3	4	14	<ul style="list-style-type: none">Proper Ventilation system and air filtration.Use of low VOC or water-based paint when possibleAdvised notice of painting schedule	Engineering, Administrative & PPE	Satisfactory
2.	Ergonomic	Bending, focusing in one place	2	3	3	14	<ul style="list-style-type: none">Rotation of tasksGive break in between	Administrative	Satisfactory
3.	Site access	<ul style="list-style-type: none">Mixing of employees with municipal staff.	2	3	4	14	<ul style="list-style-type: none">Ensure the working area is separated from the municipal staff/Barricade the working areaPost Signage indicating the Painting work is in Progress.Give working schedule to municipal staff.	Engineering, Administrative & PPE	Satisfactory
4.	Improper stacking and storage	Material falls due to improper stacking causing injuries to persons.	3	4	4	24	<ul style="list-style-type: none">Stacking must be supervised by a competent person.Store in the cool place.Ensure no smoking area around the storage of pain	Administrative	Good

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5.	Mistakes in operation by employees and operators	Lack of training leads to mistakes, use of equipment incorrectly	4	5	4	36	<ul style="list-style-type: none"> All employees on site must be properly inducted. Competent supervision to be provided on site. 	Administrative	Good
6.	Housekeeping	Housekeeping not being maintained daily. Generated waste, not dispose immediately. Waste Accumulation. Improper Storage (Unsecured ladders, open paint cans, scattered tools)	4	3	4	28	<ul style="list-style-type: none"> Housekeeping will be to be maintained daily. All waste must be removed immediately. Use exhaust fans or open windows - Provide respirators, gloves, goggles. Store paint and tools in designated areas - Secure ladders and scaffolds. Post wet paint and hazard signs - Restrict access to work zones. 	Administrative	Good
7.	Turpentine, paint etc and attributed tools and equipment.	Paint and turpentine spillage paint or other chemical being flushed down drains	3	4	3	21	<ul style="list-style-type: none"> No paint and any chemical to be disposed to the drains or into the stormwater systems. Pain and any other chemical containers to be removed from site and disposed of as per regulations on disposal of hazardous chemical waste. 	Administrative	Good
8.	Health Hazards	Fumes, skin contact with pain, paint enter inside of an eye	3	4	3	21	<ul style="list-style-type: none"> Ensure clean water is available on site, ones the paint enters inside an eye rinse with clean water. Ensure water and soap is available on site once the pain contact wit skin rub it with water and soap. 		

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							<ul style="list-style-type: none"> • Employees must be trained on how to do first aid for Skin contact, eye contact and swallowing of paint • Ensure all employees wear a correct PPE for the task. 		
9.	Ladder	<p>Falls from height due to overreaching, slipping, or incorrect ladder positioning.</p> <p>Structural failure from damaged or non-compliant ladders.</p> <p>Weather conditions (wind, rain) affecting grip and stability.</p> <p>Improper use (e.g., carrying tools while climbing, exceeding weight limits)</p>	4	5	5	40	<ul style="list-style-type: none"> • Use ladders only on firm, level surfaces; secure base and top if needed. • Train users on safe climbing techniques; maintain 3-point contact. • Avoid use in high winds or wet conditions, schedule work accordingly. • Restrict access to ladders when not in use; tag out damaged ladders. 	Engineering and administration	Good
10.	Scaffolding	Falling objects	4	5	5	40	<ul style="list-style-type: none"> • Tools to be secured while working at heights to prevent falling from heights. 	Engineering and administration	Good

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		<p>Employees working at heights not having necessary competency to work at heights.</p> <p>Fall from height</p> <p>Unauthorized access.</p> <p>Collapse during erection.</p> <p>Adverse weather.</p>					<ul style="list-style-type: none"> • Adequate training and awareness to be provided to employees on working in elevated/fall position. • Supervision, staged assembly, bracing, inspection before use. • Guardrails, toe boards, harnesses, compliant access points, Work at Height training. • Weather monitoring, suspend work during high winds or storms. 		
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1. A risk level is attributed to each circumstance in the following manner.

- Low Risk = 1 – 15
- Medium Risk = 16 – 30
- High Risk = 31 – 50

2. Risk Ranking calculation

2.1 Consequence

- Medical Treatment only or less (minor injury) = 2
- Average Lost Time Injury = 4
- Major Injury = 6
- Fatality or Permanent disabling injury = 8

2.2 Probability

- Not likely to occur in our lifetime = A
- Could occur = B
- Has happened = C
- Common Occurrence = D

2.3 Calculation of Risk

- Consequence = probability x frequency

3. Evaluation of results

Activities listed in the high-risk zones must be seen as tasks requiring immediate attention. Administration will in most instances solve some of the problems satisfactory, administration would involve training and awareness programmes to educate employees about the hazards and risks associated with their tasks.

An implementation plan must be devised to address the outstanding issues which may need engineering solution or PPE if all attempts fail. The action plan must be cognisance of the specific hazards that need to be eliminated.

4. Assessment Team

The following professionals were involved in the design of this baseline risk assessment for the Supply and Application of Paint Work for George Municipal Buildings:

Dunyiswa Nosana: Can. CHSA
Siviwe Dandala: Can. CHSA

5. Task Specific Risk Assessment

Should the baseline risk assessment indicate tasks in high-risk zone, a specific task risk assessment must be conducted. The assessment will then target the specific tasks and hazards attached to the identified activity.

6. Required and Existing Control Measures

- Safe Work Procedures
- Training
- Medical Examination
- Supervision
- Risk assessment
- Mitigation measures
- Consequence management