



# EMCOR, EMR BUILDING, OLDBURY

## HEALTH AND SAFETY RISK ASSESSMENT RECORD – NUMBER **RA005**

**Site/Premises:** EMR Building Oldbury

**Area/Section:** Offices

**Work Activity:** Abrasive Wheels

PERSONS AFFECTED	✓Yes	✓No	CLASSIFICATION	✓Yes	✓No
Employees	✓		Experienced	✓	
Other Workers	✓		Inexperienced		✓
Public		✓	Disabled		✓

**Comments:** TRAINED CERTIFICATED OPERATIVES ONLY TO MOUNT WHEELS

HAZARD TYPE	✓Yes	✓No		✓Yes	✓No
Physical Injury	✓		Biological (e.g. Micro Organism)		✓
Health Hazard (e.g. Harmful Substance)		✓	Natural (e.g. Weather)		✓

**Comments:**

IDENTIFIED HAZARDS – tick as appropriate					
Contact with:	a) Moving Machinery Parts	✓	Fire		Weather
	b) Moving Materials	✓	Explosion		Temperature
	c) Moving Vehicles		Burns	✓	Manual Handling
	d) Fixed Machinery		Falls from Heights		Lone Working
Electrical:	a) Shock		Pressurised Systems		Hand Tools
	b) Burns		Vibration		Confined Spaces
	c) Explosion		Noise	✓	Restricted Access/Egress
Radiation:	a) Ultraviolet		Harmful Substances		Power Tools
	b) Ionising		Vermin		Sharp Objects
	c) Lasers		Particles	✓	Posture

**Comments:**

**Likelihood x Severity = Risk Score. Score assuming standard control measures overleaf are implemented = 3**

### **SIGNIFICANT RISK IDENTIFIED:**

Eye Injuries, Incorrect Mounting of Wheel/Incorrect Usage, Non Usage of P.P.E., Bursting, Cuts, Vibration, Noise Levels

### **RELEVANT STATUTORY PROVISIONS (AND GUIDANCE) (Note: Standard Control Measures must also be reviewed and made site specific)**

HASAWA 1974, P.P.E. Regs 1992, ConstructionDesign Management Regs 2007, HSG 17, BS4481 Part 2, P.U.W.E.R. 1998, Noise at Work Regs 1989, Management of Health and Safety at Work Regs 1999

### **PPE REQUIRED FOR TASK (tick/complete as appropriate – Refer to Control Measures over page making specific)**

Hard Hat	✓	Ear Protection	✓	Welding Helmet	
Safety Footwear	✓	Goggles		Respirator (enter type)	
High Vis Vest	✓	Overalls		Gloves (enter type)	✓
Gas Welding Goggles		Safety Spectacles	✓	Other (specify type)	

### **Circle Residual Risk Score after implementation of your additional Control Measures (if any)**

Likelihood of Harm	Severity of Injury			Risk Score = 1 LOW	Acceptable – unlikely to cause first aid case injury, risk to health, property or environmental damage.
	LOW 1	MED 2	HIGH 3	Risk Score = 2 LOW	Acceptable – unlikely to cause lost time injury, risk to health, property or environmental damage. Work to be carried out by a competent person.
	Possible first aid case injury, environmental damage	Possible <3 day lost time injury, minor environmental damage	Possible >3 day serious injury, major environmental damage	Risk Score = 3 LOW ✓	Unlikely to cause serious injury, risk to health, property or environmental damage. Control measures and written method statement must be in place.
Unlikely 1	1	2	3 ✓	Risk Score = 4 MEDIUM	Possible risk of lost time injury, minor injury to health, environmental damage. Supervision, control measures and written method statement must be in place.
Possible 2	2	4	6	Risk Score = 6 HIGH	<b>Unacceptable</b> – revisit work procedures to reduce this risk to a score of four or below
Likely 3	3	6	9	Risk Score = 9 HIGH	<b>Unacceptable</b> – refer the operation to the Manager responsible. The work must not proceed as proposed, an alternative method must be developed

Signed:

Position in Company: Operations Director

Date: 03-04-13

Print Name: Kevin Flint

Date of Review: 02-07-13

**AGILE BUILDING SERVICES LIMITED – PROJECT SPECIFIC RISK ASSESSMENTS**

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DETAILS OF CONTROL MEASURES <b>No persons are to mount an abrasive wheel unless they are trained/competent and have attended a Tool Box talk detailing the Risks associated with this operation</b>		<b>Is this control measure in place</b> ✓	<b>Additional action required</b> ✓
1.	Abrasive wheels are potentially dangerous. Most accidents result from selecting the wrong type of wheel or from over-speeding. It is essential that the right abrasive wheel for the job is chosen and that a competent person correctly mounts it.	✓	
2.	Only trained competent persons who have been appointed in writing and have been recorded in the Abrasive Wheels Register are allowed to change abrasive wheels.	✓	
3.	Check to see if notices are displayed where any grinding operations are to take place.	✓	
4.	Abrasive wheels being used must be suitable for the type of work being carried out. A grinding wheel will not be used for a cutting operation and conversely a cutting wheel will not be used for a grinding operation.	✓	
5.	Straight-sided cutting wheels must be fitted with blotting washers on both sides of the wheel.	✓	
6.	Eye protection to BS EN 166B must be used. Precautions must be taken to safeguard other persons who may be affected by the grinding operation by the use of suitable work positioning or screens.	✓	
7.	The floor area will be free from loose materials and maintained in a safe condition without risks and adequate facilities for storing abrasive wheels and machines will be provided.	✓	
8.	Any defects must be reported to supervision and where any doubt exists regarding abrasive wheels suitability it must not be used.	✓	
9.	Noise from grinding/cutting operations will generally always be created therefore grinding/cutting should be carried out away from others in a suitable cutting room where possible and hearing protection must be worn when in use	✓	
10.	The spindle RPM must be clearly marked on the machine and the guarding arrangements must not be altered or removed. <b>NEVER</b> exceed the RPM indicated on the abrasive wheel.	✓	
11.	It must be established prior to use whether a hot work permit is required for grinding/cutting operations. You should be aware of this requirement now, if not check with the Principal Contractor.	✓	
12.	Vibration may be given off with the cutting/grinding equipment you are using you must be aware of how long you can safely use the equipment without being exposed to possible harmful levels of vibration. Check with your supervisor and refer to the hand arm vibration calculator card you have been issued.	✓	



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