Safe Work Procedure

**NOTE: DO NOT use this machine unless you have been trained in its safe use and operation.**

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| Description of Work: | | | Using an Electric ARC Welder (Flux Core) | | | | | | | | |
| Electric ARC Welder (Flux Core)   http://www.geniusgenerators.co.uk/lg_images/Draper_230_400v_Arc_Welder_Turbo_200_Amp_43944.jpg | | | | | | **Potential Hazards:** Fire and electrical hazard with the potential to cause harm through exposure to impact and cutting, heat, projectiles, sparks, sharp objects, electric shock, fumes, radiation and flame. | | | | | |
| **Personal Protective Equipment (PPE) Required** *(Check the box for required PPE*): | | | | | | | | | | | |
| hand protection Gloves | | dust mask Face Masks | | safety gogglesEyeProtection | face shield Welding Mask | | foot protection Appropriate  Footwear | | hearing prot Hearing Protection | safety apron Protective Clothing | |
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| **Safe Work Procedure Checklist:** | | | | | | | | | | | |
| 1. PRE-Operation/Task:   * Ensure task (e.g. Drawings, instructions, specifications etc.) is clearly understood. * Ensure the work area is clean and clear of grease, oil and any other flammable materials. * Keep the welding equipment, work area and gloves dry to avoid electric shocks. * Stand on rubber insulating matting during operation (where supplied). * Ensure the gloves, welding gun and work leads are in good condition (i.e. no exposed wiring). * Check that other work areas are protected from flash (e.g. welding curtains). * Ensure appropriate ventilation is in place prior to use as welding of aluminium, zinc etc will release harmful fumes. * Ensure appropriate PPE is worn. * Identify ON/OFF switch and emergency stop button (if applicable).   2. Operation/Task:   * Keep hands clear of work piece and away from electrode and ensure operator does not wrap electrode leads around themselves. * Ensure power is turned off (from wall socket) before inserting or removing electrodes from electrode holder/handle. * Ensure current is correctly set according to electrode selection. * Never leave the welder running unattended.   3. POST-Operation/Task:   * Ensure sufficient time for materials to cool before handling. * Switch off machine and fume extraction (if relevant). * Hang up electrode holder and welding cables. * Practice good housekeeping and ensure the area is clean and tidy. | | | | | | | | | | | |
| **Competent Person(s):** (The following persons are authorised to operate, supervise and test students on the equipment/process). | | | | | | | | | | |
| **Name:** | **Title:** | | | | | | | **Contact Details:** | | |
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