

LANNFAR12

Prepare and check electric welding equipment for use



Overview

This standard is about using the following types of welding equipment:

1. metal inert gases (MIG)
2. manual metal arc.

In order to 'prepare and check electric welding equipment for use' you will need to check that the equipment and connections are safe, inspected and tested and the appropriate take action to take where equipment is not functioning correctly. You must check that equipment is stored in a clean, dry and safe environment.

The use of welding equipment comes under the Provision and Use of Work Equipment Regulations (PUWER).

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Performance criteria

- You must be able to:*
- P1 confirm welding equipment is stored in appropriate conditions
 - P2 make sure equipment is turned off before checking equipment is safe and fit for use
 - P3 check that all connections to the welding equipment are functioning properly
 - P4 maintain the health and safety of yourself and others

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Knowledge and understanding

You need to know and understand:

Equipment

- K1 the different types of equipment and how to operate them
- K2 the importance of different types of electrodes used in electric welding taking into consideration compatibility and non-compatible materials and learning to identify the different types
- K3 the importance of masks and filters
- K4 how to recognise the different types of filter glass and know which one is required
- K5 the importance of ventilation whilst welding
- K6 appropriate storage requirements for welding equipment (clean, dry and at regulated temperature)
- K7 the importance of not using welding equipment which is not functioning properly and the appropriate action to take – report, record, rectify

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