
Overview

This standard is about forming materials by applied pressure to meet specification in engineering construction.

You will need to be able to shape materials to the required specification and ensure the forming has been completed to the required standard whilst adhering to health, safety and environmental, legislation, regulations and safe working practices.

In the context of this standard, your responsibility is to interpret and work within given specifications, selecting techniques and making variations to achieve the best possible result. In some cases, you may still be required to refer to others for final authorisation, even though you remain responsible for identifying and implementing decisions.

This standard is for
This standard is for Platers.

Performance criteria

You must be able to:

1. work safely at all times, comply with health safety, environmental and other relevant legislation, regulations, guidelines and local rules or procedures
2. ensure that the work environment, material, tools and equipment are correctly prepared for the activities to be undertaken
3. follow the relevant engineering drawings, related specifications and quality standards
4. plan the forming procedure to ensure the required result will be achieved
5. use appropriate tools and equipment for the pressure forming of plating components
6. form plating materials to the required quality and specification
7. check that the forming operations are complete and to the required specification, then follow the required handover procedure
8. reinstate the work area.
9. deal promptly and effectively with problems within your control and report those that have been and those that cannot be solved

Knowledge and understanding

You need to know and understand:

1. relevant legislative, regulatory and local requirements or procedures and safe working practices including your responsibilities with regards to reporting lines and procedures
2. preparation and reinstatement in respect of the work area, material, and equipment, and the possible consequences of incorrect actions in these areas
3. relevant engineering drawings and material gain, bending, and bend allowance
4. the methods and techniques for pressure forming:
 1. which tools and equipment to use and when
 2. how to sequence the stages of work
 3. how to modify the way of working to meet specific needs
5. the characteristics of materials in relation to pressure forming
6. types of defect that are found and what to do if any are found
7. how to check that formed platework components to comply to specification
8. related quality control documentation procedures
9. tool and equipment control: the correct use of relevant tools and equipment and your individual responsibility for the use, care and security of those you use

Scope/range

Work environment

Typical work environments could include:

- Engineering construction sites
- Controlled operations
- Offshore installations
- Maintenance sites
- Nuclear sites
- Repair sites

Work environments may be open or restricted spaces:

- At height
- Confined spaces
- Control rooms
- Controlled operational and offshore installations
- Designated work areas
- Explosive atmospheres
- Existing plants and structures
- Fabrication workshops
- In plant rooms
- Inside structures, system and plant
- On access structures (scaffold)
- On open structures
- Onshore and offshore installations
- Shafts
- Shipyards
- Tunnels

Reinstate the work area

This term could include:

- Returning the work area to a safe condition
- Correctly disposing of waste materials
- Sweeping up
- Completing all necessary documentation
- Removing barriers
- Storing of re-usable materials, consumables and equipment in accordance with appropriate procedures

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Relevant Occupations Plater; Pipefitter; Pipe Fitter; Mechanical Fitter; Tray Fitter

Suite Fabricating Steel Structures (Plating)

Keywords join materials; pressure forming; forming materials, fabricating steel structures; plating; engineering construction; work environment; bending
