
Overview

This standard is for those who dye fabrics and sewn products to meet given specifications using the appropriate machinery or equipment.

The job role may involve:

1. Preparing the work area and equipment.
2. Establishing requirements and specification.
3. Setting up, starting and completing the dyeing process.
4. Monitoring and controlling the quality of the dyeing process.
5. Using quality approval processes.

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Dyeing fabric and sewn products

Performance criteria

- You must be able to:*
- P1 identify the correct batches of products from jobsheets / ID
 - P2 establish and confirm specifications required
 - P3 identify the materials/chemicals to be used in the process
 - P4 ensure sufficient quantities of dyes and auxiliaries from the colour mixer / weigher at the correct time
 - P5 ensure sufficient support services are available to commence processing
 - P6 ensure relevant risk control measures are in place
 - P7 identify and report any faults with the raw materials
 - P8 lift and move materials safely using the correct lifting procedures
 - P9 ensure that the work area is suitable and free from any hazards and obstructions
 - P10 use appropriate materials in the correct order
 - P11 load items correctly dependant on the machine and product type
 - P12 place dyes and auxiliaries in the proper section of the machine in the correct order
 - P13 select the appropriate machine program and adjust machine settings and parameters as required for dyeing
 - P14 carry out start-up checks
 - P15 detect and report equipment faults or defects within own limits of responsibility
 - P16 start, carry out and monitor the dyeing process, meeting the given specifications
 - P17 inspect dyed products and report or rectify faults within limits of own responsibility
 - P18 colour match dyed items to customer specification
 - P19 identify, mark and segregate faulty products as required
 - P20 forward the completed batch to the next stage of the production process or to a suitable containment or storage area
 - P21 work within timescales
 - P22 complete relevant documentation
 - P23 comply with company procedures and systems of work
 - P24 clean machinery in preparation for the next batch
 - P25 dispose of waste following company procedures

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Knowledge and understanding

You need to know and understand:

- K1 the types and importance of information given in a process specification and job sheet/id
- K2 recognition of different colours across the full spectrum
- K3 the importance of good colour vision
- K4 the implications of order size and product type on the dyeing process
- K5 technical considerations with different fibre and fabric type
- K6 levels of product stability throughout the dyeing process
- K7 evaluation techniques of inherent fabric flaws
- K8 machine programs, settings and adjustments i.e. liquor, pH levels and ratios, temperatures, pressures and timings
- K9 awareness of machine loading procedures
- K10 the dyeing process, (fabric preparation, dyeing and finishing)
- K11 chemical handling procedures
- K12 materials/chemicals used in different processes
- K13 faults with raw materials or equipment and how to deal with them appropriately
- K14 the importance of sufficient raw materials and support services
- K15 how to assess customer needs and meet customer specifications
- K16 why processed and part-processed materials, excess materials and recoverable by-products should be separated out during production
- K17 the importance of monitoring the process and ensuring quality requirements are met
- K18 general plant awareness
- K19 the significance of the boiler for steam, use of the compressor and water softener
- K20 waste disposal, company waste procedures and systems
- K21 the organisation's rules, codes, guidelines and standards
- K22 production targets
- K23 quality systems and procedures
- K24 quality control in relation to shade, handling and continuity
- K25 limits of personal responsibility
- K26 how to communicate effectively with colleagues and customers
- K27 the importance of keeping accurate records
- K28 the importance of complying with written instructions
- K29 equipment operating and cleaning procedures and machine manufacturer's instructions
- K30 statutory responsibilities under Health, Safety and Environmental legislation and regulations

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Developed by	Creative Skillset
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Validity	Current
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Originating organisation	Creative Skillset
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Original URN	MSP7; MSP8
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Relevant occupations	Manufacturing technologies; Crafts, creative arts and design; Design Associate Professionals; Textile and Garment Trades
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Suite	Manufacturing Sewn Products; Manufacturing Textile Products
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