

J5CC 04

Cut materials for manufacturing sewn products

Overview

This standard is about cutting materials to form sewn product components. This can apply to using manual, automatic or computer controlled cutting or laying up machines.

This includes preparing cutting equipment, the work area and materials to be used, lay-up and spread of materials for cutting, cutting materials to form components and bundling and labelling cut components. It also covers recognising, reporting and correcting faults that may occur.

This standard is for those who are involved in cutting materials to form sewn product components

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Performance criteria

You must be able to:

1. organise work to be carried out in line with instructions and specifications
2. identify any difficulties in carrying out instructions and report them without delay
3. identify, set up and use equipment required for work
4. identify faulty equipment and take action within the limits of your responsibility
5. check that work area, equipment and tools are free from lubricants and debris
6. check that materials, templates and lays are confirmed to specifications and free from defects and faults
7. identify materials, templates and lays not to specifications and take relevant action
8. handle material in ways which prevent damage when preparing for cutting
9. match part rolls for colour and integrate into complete job
10. identify materials that need to be cut one way
11. position and roll out material square, true and flat on cutting area
12. identify material faults which exceed specifications limits and take relevant action
13. identify acceptable material faults and mark for future identification
14. store unused part rolls in designated locations
15. plan position of pattern pieces and sequence of marking out to minimise waste, taking into account material width, minor defects and major flaws
16. align marked components according to product requirements
17. mark out quantity of material within acceptable limits and to specifications using correct marker
18. check that marked components are free from major flaws
19. identify problems with planning and marking out material and take action in line with agreed procedures
20. cut components to marked size and shape within given tolerances
21. identify problems in cutting components and take relevant action
22. use and maintain cutting equipment and tools in line with safety procedures and manufacturers' instructions
23. mark components with accurate information and pass to the next process in line with instructions

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- 24. complete and store accurate records and documentation in line with agreed procedures
- 25. place re-usable materials remaining from cutting processes in designated locations
- 26. dispose of waste in designated locations in line with safety procedures, taking into account waste categorisation and recycling

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Knowledge and understanding

You need to know and understand:

1. how to receive and follow work instructions and specifications, making use of the information supplied
2. the hazards likely to be encountered and how they can be avoided
3. how to operate the tools and equipment used for cutting
4. the types of equipment and tool faults, how they are identified and how they should be dealt with
5. the consequences of contaminants and debris being left on equipment, tools and work surfaces
6. the types of material faults which occur, how they are identified and how they should be dealt with
7. how damaged templates and lays can be rectified
8. the storage requirements for different types of materials
9. the reasons for keeping waste to a minimum and the waste recycling procedures
10. the type of markers used and consequences of not selecting the correct marker
11. the need to maintain cut components within the given tolerances
12. the importance of marking components correctly
13. problems which may occur in cutting materials and how to rectify them
14. the characteristics of different types of materials and how they are affected by cutting
15. safe working practices and procedures and the importance of using protective equipment
16. how to resolve problems within the work area
17. how your specific work activities relate to the whole process and the limits of your responsibility
18. how to work in a team and the importance of effective communication with colleagues
19. the lines of communication, authority and reporting procedures
20. the organisation's rules, codes and guidelines; including timekeeping and personal hygiene requirements
21. the organisation's quality standards
22. own organisation's ethical and sustainability policies
23. the types of records kept, how are they completed and the importance of accuracy

- 24. how to comply with instructions, safe working practices, equipment operating procedures and manufacturer's instructions
- 25. statutory responsibilities under health, safety and environmental legislation and regulations

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Validity	Current
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Status	Original
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Originating Organisation	Creative Skillset
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Original URN	SKSMSP3
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Relevant Occupations	Crafts, creative arts and design
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Suite	Manufacturing Textile and Sewn Products
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