

SKSTEX33 - SQA Unit Code H9F1 04

Develop finishing processes and produce samples



Overview

This standard is for those who develop finishing processes and produce samples. This includes conducting trials, developing finishing processes and assessing finished samples.

The job role may involve:

1. Identifying finishing processes and methods
2. Selecting the appropriate equipment
3. Formulating trial routines

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Performance criteria

- You must be able to:*
- P1 receive work instructions and specifications and interpret them
 - P2 establish customer requirements
 - P3 assess requirements against production facilities
 - P4 establish quality requirements
 - P5 assess relevant technical information to formulate production process
 - P6 assess suitable process methods and cycles for bulk production
 - P7 check that the substrate is suitable for processing
 - P8 confirm that the nature and condition of the substrate are suitable for processing
 - P9 select suitable dyestuffs and auxiliary materials
 - P10 scale up quantities accurately
 - P11 select appropriate test methods
 - P12 identify the most appropriate production processes to achieve customer requirements
 - P13 make adjustments to the formulation as required
 - P14 contribute to the production specification and instructions
 - P15 select suitable finishing processes for the substrate and end uses
 - P16 select finishing equipment which is compatible with bulk production methods
 - P17 complete finishing instructions accurately and supply them to the appropriate people
 - P18 assess the sample produced against the required standard
 - P19 make adjustments as necessary to achieve requirements
 - P20 seek customer approval as appropriate
 - P21 complete and store accurate records and documentation

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Knowledge and understanding

You need to know and understand:

- K1 how to receive work instructions and specifications and interpret them accurately
- K2 how to make use of the information detailed in specifications and instructions
- K3 how to establish customer requirements
- K4 finishing systems and bulk production methods
- K5 methods of formulating production routines based on machine capabilities
- K6 how to achieve end-product characteristics
- K7 substrate types and their characteristics
- K8 condition of substrate and types of remedial action to be taken when necessary
- K9 sample preparation for visual and instrumental measurement and assessment
- K10 procedures for evaluating samples
- K11 chemicals used and their effect on finishing processes
- K12 critical factors in selection of finishes and auxiliary materials
- K13 how to scale up finishes and auxiliary materials
- K14 sampling procedures
- K15 equipment used to produce samples
- K16 adjustments to achieve cost-effective finishing specification
- K17 customer specifications
- K18 sample approval procedures
- K19 types of records, how to complete them and why they are important
- K20 the importance of achieving quality and its relation to the end user / customer
- K21 safe working practices and organisational procedures
- K22 limits of your own responsibility
- K23 ways of resolving with problems within the work area, and within limits of personal responsibility
- K24 the production process and how your specific work activities relate to the whole process
- K25 the importance of effective communication with colleagues
- K26 the lines of communication, authority and reporting procedures
- K27 the organisation's rules, codes and guidelines (including timekeeping)
- K28 the companies quality standards
- K29 the types of records kept, how are they completed and the importance of keeping them accurate
- K30 the importance of complying with written instructions
- K31 equipment operating procedures / manufacturers' instructions
- K32 statutory responsibilities under Health, Safety and Environmental

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legislation and regulations

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Developed by	Creative Skillset
Version number	5
Date approved	January 2013
Indicative review date	April 2017
Validity	Current
Status	Original
Originating organisation	Creative Skillset
Original URN	TEX33
Relevant occupations	Manufacturing technologies; Crafts, creative arts and design; Design Associate Professionals; Textile and Garment Trades
Suite	Manufacturing Textile Products
Key words	Textiles; dyeing; finishing; samples; prototypes; equipment; samples
