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| <p><b>Unit Standard 5424 V6</b></p> <p><b>Set-up a jet dye applicator for carpet printing</b></p> <p>Level 3, 18 Credits,</p> <p><b>Prerequisite: Unit 5423, Apply dyestuff and/or chemicals to carpet with a jet dye applicator, or demonstrate equivalent knowledge or skills.</b></p> | <p><b>Trainee:</b></p> <p>_____</p> <p><b>Assessor:</b></p> <p>_____</p> |
|--|--|

|                          |  |
|--------------------------|--|
| <b>Unit Requirements</b> | To be credited with this unit standard you must be able to; <ul style="list-style-type: none"> <li>➤ demonstrate knowledge of jet dye applicator set-up;</li> <li>➤ prepare a pattern control programme;</li> <li>➤ and set-up a dye applicator and carry out start-up checks</li> </ul>   |
| <b>Special note:</b>     | Plant safety practices and procedures comply with Health and Safety Employment (HSE) Act, 1992, and workplace procedures.<br>Workplace productivity and quality requirements will be met.  |
| <b>Notes to Trainee</b>  | <p>This assessment document is not a training programme. The training programme for the skills and knowledge required for this unit will be provided by your employer as part of your on-job training, or by programs from training providers. This document is a guide for you, your trainer, and your assessor for the assessment once you have learned and practised the skills involved.</p> <p>The time you will need to spend on training and practice to reach the standard which demonstrates that you are competent in this area will of course depend on other tasks that you may also have which are not part of this unit standard.</p> <p> (Trainee can answer verbally or in writing.) (Trainee to write or assessor to record)</p>   |
| <b>Assessment</b>        | <p>Assessment for many of the tasks will be to Workplace Procedures and Requirements. You will need to discuss what these are with your trainer and/or assessor during your training period so that you are aware of what is required. Where these Procedures and Requirements are written down, you should collect copies so that you have something to refer to. Your assessor will also refer to these when you are being assessed.</p> <p>In some cases for workplace skills, your Assessor may use someone with specialised knowledge of the process or machine to confirm your skills. This person is called a <b>Verifier</b>.</p> <p>Some assessments require evidence that you demonstrate competence on an ongoing basis. Your assessor may also use a Verifier to confirm that this is the case.</p> <p>You do not need to be assessed for all of the Unit Standard at one time. Assessment can take place as you develop the knowledge and skills. Your assessor will keep a record of progress, and once you have been assessed as competent for all the tasks, you will have completed this unit standard.</p> <p>If any parts of the standard are not met, further evidence of your competence in that task/s will be sought. This is indicated on the <b>Assessment Evidence Guide</b> by the abbreviation <b>FER (Further Evidence Required)</b>.</p> |

equivalent knowledge or skills

**Assessor must discuss with Trainee prior to assessment**

|   |   |
|---|---|
| <b>Before the assessment</b>                                      | <p>If there are any parts of the assessment that you are not clear about, you must ask the assessor before you start the Assessment. You need to agree to the amount and type of evidence to be collected.</p> <p>You must tell the assessor if you have any special needs e.g. hearing or seeing difficulties before doing the assessment tasks. The assessor/verifier will take these special needs into consideration during the assessment.</p>   |
| <b>During the Assessment</b>                                      | <p>The assessment process will consist of questions to assess your knowledge, and observation of you carrying out specific tasks. You would normally answer questions verbally and your assessor will note answers. In some cases you may be able to demonstrate knowledge as a written project. In this case simple diagrams could be used. You should discuss the best way with your assessor.</p> <p>The workplace is often a noisy environment. Your assessor will try and find a quiet place to ask questions so that you are able answer easily. However, in some cases you may feel better able to answer questions at a machine or worksite. You should discuss this with your assessor before the assessment.</p>  |
| <b>After the Assessment</b>                                       | <p>The assessor will tell you if you are '<b>competent</b>' or '<b>not yet competent</b>'. <b>Not yet competent</b> means that you have not done the tasks, or part of the tasks to the standard that is needed, and you will have to give the assessor more information. If you need to give the assessor more information then you will be clearly told of what it is that you need to do.</p> <p>You have a right to <b>appeal</b> your assessor's decision if you are not happy with the assessor's decision. Your assessor will explain the appeal process.</p> <p>At the end of the assessment you will be asked to sign the assessment to show that you were happy with how the assessment went. Do not sign this section if you do not agree that the assessment was fair.</p> <p>You and your assessor must each sign and <b>keep a copy</b> of the Candidate Check List and the Assessment Record. These are at the back of this Assessment Document.</p> <p>Results of the assessment will be kept by your assessor, passed to your Employer, and sent to the Apparel and Textile ITO who will register competency on the New Zealand Qualifications Framework</p> |
| <b>Special Needs Identified</b><br>(enter any special needs here) |   |
|   | <p><b>Assessment Process above has been discussed and Trainee understands the process.</b></p> <p>Trainee _____ (sign)</p> <p>Assessor _____ (sign)</p>   |

equivalent knowledge or skills

**Element 1. Demonstrate knowledge of jet dye applicator set-up**


|                         |   |   |  |
|-------------------------|---|---|--|
| p c 1.1                 | <b>Components of the jet dye applicator that require adjustment/setting during preparation are identified and described according to their function and operation</b> |   |  |
| <b>Component</b>        | <b>What is the purpose of this component?</b>   | <b>Describe the operation of the component?</b> | <b>Competent(C)/<br/>Further Evidence Required (FER) &amp; Sign/Date</b> |
| print head flow rate    |   |   |  |
| air pressure adjustment |   |   |  |
| steamer temperature     |   |   |  |
| p c 1.2                 | <b>Printing faults caused by set-up are identified and described in terms of their effects in subsequent processing and product quality.</b>                          |   |  |
| <b>Fault</b>            | <b>Identify and describe the fault and its effect on subsequent processing and Product Quality.</b>   |   | <b>C /FER &amp; Sign/Date</b>  |
| jets blocked            |   |   |  |
| incorrect flow rate     |   |   |  |
| contamination           |   |   |  |
| <b>Assessor Notes:</b>  |   |   |  |

equivalent knowledge or skills

**Element 2. Prepare a pattern control programme**

**Note to Trainee and Assessor:**

Some of your performance will be assessed against Workplace Practice and System Requirements. You should be clear what this is and have, or have ready access to copies. You should ask your Trainer or Assessor if these are not available.


|                |  | Observed<br> | C /FER<br>& Sign/Date |
|----------------|--|---|-----------------------|
| <b>p c 2.1</b> | <b>Pattern is loaded in machine computer according to system requirement</b>                       |   |                       |
|                | pattern conforms to work instruction,  |   |                       |
|                | pattern information converted from master tape   |   |                       |
| <b>p c 2.2</b> | <b>Firing times are calculated in relation to substrate weight according to workplace practice</b> |   |                       |

**Assessor Notes:**

**Element 3. Set-up dye applicator and carry out start-up checks**


**Note to Trainee and Assessor:**

Some of your performance will be assessed against Plant Operating Procedures and Workplace Practice. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these are not available.

|                |  | Observed<br> | C /FER<br>& Sign/Date |
|----------------|--|---|-----------------------|
| <b>p c 3.1</b> | <b>Machine is prepared for operation according to workplace practice</b> |   |                       |
|                | warmed up  |   |                       |
|                | air pressure to gun bars   |   |                       |
|                | all jets firing  |   |                       |
|                | seam temperature   |   |                       |
|                | dye directed to specified gun bar  |   |                       |
|                | dye flow rate checked at each head                                       |   |                       |
|                | gun bars in registration   |   |                       |

equivalent knowledge or skills

**Element 3. Set up dye applicator and carry out start up checks (cont)**

|                |  | <b>Observed</b><br> | <b>C /FER<br/>&amp; Sign/Date</b> |
|----------------|--|--|-----------------------------------|
| <b>p c 3.2</b> | <b>Dye application rates and quantities are calculated in accordance with the work instruction</b> |  |                                   |
| <b>p c 3.3</b> | <b>Pattern is produced according to product specification</b>                                      |  |                                   |
| <b>p c 3.4</b> | <b>Test piece is produced and sampled according to plant procedure</b>                             |  |                                   |

**Assessor Notes:**

**Assessment Decisions :** Competent / Not Competent (circle one)

**Assessor :** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Action Plan for Further Evidence (if required)**

equivalent knowledge or skills

**CANDIDATE'S CHECKLIST (candidate to retain).**

**PRE-ASSESSMENT. (When I meet the assessor :)**

|   |   | <b>Tick</b> |
|---|---|-------------|
| 1 | I agree to the unit standards/elements to be used for the assessment.           |             |
| 2 | The purpose and process of the assessment is explained to me.                   |             |
| 3 | I agree to the amount and type of evidence to be collected.                     |             |
| 4 | I agree to the date, time and location for the assessment.                      |             |
| 5 | What happens to the assessment result and the appeals system is explained to me |             |
| 6 | The assessor agrees to keep my Supervisor/Line Manager informed.                |             |
| 7 | The following resources will be available for the assessment::                  |             |

**Candidate Signature:** \_\_\_\_\_

**Assessor Signature:** \_\_\_\_\_

**AFTER ASSESSMENT**

|   |  |  |
|---|--|--|
| 1 | The assessment was carried out as programmed above.  |  |
| 2 | I was informed of the assessment result.   |  |
| 3 | I was given sufficient feedback after the assessment.  |  |
| 4 | I signed the assessment record.  |  |
| 5 | If assessed competent the assessor signed the assessment record for forwarding to the ITO with my fee/s. |  |
| * | If assessed not yet competent the elements to be reassessed were recorded in the Assessor's Register.    |  |

**Candidate Signature:** \_\_\_\_\_

**Assessor Signature:** \_\_\_\_\_

**Assessor to fill in details below when candidates is assessed competent:**

**Candidate's name:**

**Competent in unit standard number: 5424 V6**

**Assessors signature :** \_\_\_\_\_

**Date:** \_\_\_\_\_

equivalent knowledge or skills

## ASSESSMENT RECORD SHEET

### Trainee Details (Trainee to complete)

Name \_\_\_\_\_ Date of birth: \_\_\_\_\_

Home address: \_\_\_\_\_  
\_\_\_\_\_

Employer: \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

### Assessor Details (Assessor to fill out)

As an ATITO workplace assessor I verify that I have assessed the person above as competent in the unit standard(s) listed below.

Signed: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

WA Number:

Full Name: \_\_\_\_\_

It is recommended that Workplace Assessors contact the ATITO before embarking on assessment to ensure that they have the latest information.

| Unit Id | Unit Standard Title                             | Level | Credit | Signed (Assessor) |
|---------|---|-------|--------|-------------------|
| 5424 V6 | Set-up a jet dye applicator for carpet printing | 3     | 18     |                   |
|         |   |       |        |                   |

**TOTAL CREDITS**

Payment for credit fees enclosed (\$1.55 per credit):

YES  NO – ATITO will invoice employer - please attach company order number if necessary.

Assessor: Ensure this form is completed in full. Make 2 extra copies. Give one to the trainee, keep one for your files, and send the original to: **Apparel & Textile ITO, PO Box 13-210, Christchurch**