

# Assessment Guide

**Domain**

Furniture > Furniture Operations

**Unit**

25570 v 2

Demonstrate knowledge of abrasives used in furniture production

Level 2

Credits 4

## Candidate details

**Name**

**Company**

**NSI No.**

**Email / Phone**

## Assessor details

**Name**

**Company**

## Pre-requisite confirmation

I, the Assessor, can confirm that the candidate holds the pre-requisite(s) for this unit standard.

Yes

Not applicable

No

## Verification details (if required)

**Verifier Name and Company**

**Email / Phone**

I confirm that the candidate's performance meets workplace requirements.

**Signature**

**Date**

## Assessment result

**Assessor judgement:**

Achieved

Not yet achieved

**Assessor stamp**

**Signature**

**Date**

## Candidate response

**I, the Candidate:**

Agree with the assessment result.

Wish to appeal the assessment result

**Signature**

**Date**

## Assessment Requirements

This Assessment Guide is designed to help you provide evidence of your skills and knowledge required by this unit standard.

People credited with this unit standard are able to demonstrate knowledge of abrasives used in furniture production.

### Before you begin

Read through the assessment requirements yourself. Talk with your Assessor if there is anything you don't understand.

Meet with your Assessor to plan your assessment. Your Assessor will:

- » talk you through this Guide, and discuss when and how you will be assessed.
- » check you are ready to begin this assessment.

### What you need to do

1. Complete the following assessment tasks:

<b>Questions</b>	Answer questions about abrasives used in furniture production.
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**Note:** Your Assessor may choose someone to verify your work. This person must have expertise in abrasives used in furniture production and could be someone you report to, your trainer, or a supervisor or manager who works with you regularly.

2. You may wish to provide additional supporting evidence that proves you have the knowledge and skills required by this unit. Additional evidence may include, for example, workplace documentation you have used and/or completed, training records, photos, screenshots, printouts, videos, voice recordings.
3. When you have completed all assessment tasks, complete the 'Candidate evidence check' at the end of this Guide.
4. When you are sure you have completed and/or attached everything, contact your Assessor or Account Manager to arrange next steps.

## Conditions

- » Your evidence must clearly show your knowledge of abrasives used in furniture production.
- » Complete all assessment tasks yourself. Use your own words when answering questions.
- » This unit standard may be assessed against on-job or off-job.
- » It is expected that you will have had learning / experience of abrasives used in furniture production on more than one occasion, before you are formally assessed.
- » It is likely that you will have already been observed using abrasives in furniture production on more than one occasion, before you are formally assessed.
- » All tasks you carry out for this assessment must be completed following workplace procedures, and comply with organisational and legislative (legal) requirements.

## References

The assessment tasks must be completed in accordance with the following reference texts:

- » Jackson, A. and Day, D, (2nd ed.) 1999. *Good Wood Handbook*. London, England: Popular Woodworking Books, which is available at <http://www.amazon.com>.

## Questions

Answer the following questions about using abrasives in furniture production.

Use your own words. You can answer the questions in writing, or give your answers verbally to your Assessor who will write down what you say. You may need to arrange this in advance with your Assessor.

Draw pictures or diagrams to support your answers if you wish.

Your Assessor may ask you additional questions to check your knowledge and understanding.

<b>Your name</b>	
<b>Workplace</b>	
<b>Answers written by:</b> (Tick one)	<input type="checkbox"/> Candidate <input type="checkbox"/> Assessor <input type="checkbox"/> Other (please write):

	<input checked="" type="checkbox"/>
1. Explain each of the following abrasives grains used to sand timber:	<input type="checkbox"/>
» Aluminium oxide	
» Silicon Carbide	
» Garnet	
» Glass	

2. Explain three different grades of abrasive paper and the type of job each is commonly used for.

Grade of abrasive paper	Explanation	Type of job
80		
120		
600+		

3. Explain three different abrasive backing types and the type of job each is used for.

Abrasive backing types	Explanation	Type of job
Paper		
Cloth		
Fibre		

4. Explain common end uses for each abrasive bonding glue.

» Natural glue

» Synthetic resins

5. For each coating below explain:

- How abrasives are coated and
- The effect on spacing of grit

Type of coating	Explanation of coating	Effect of spacing of grit
Gravity		
Electro		

6. Explain the type of timber open and closed grain abrasives should be used on and give a reason why.

Abrasive	Type of timber	Reason for use
Open grain		
Closed grain		

7. Explain the main job type that the different flexes of coated abrasives listed below should be used for.

» Single flex should be used for...

» Double flex should be used for...

» Triple flex should be used for...



8. Explain where wet and dry paper are used in the finishing process for the following finishing coats.

» Undercoat

» Gloss

» Lacquer

» Paint

9. Explain the ideal temperature and humidity range for the storage of coated abrasives.

Temperature:

Humidity:

**You have reached the end of the questions.**

## Assessor final judgement

After reviewing the candidate's evidence for Unit Standard 25570 v2, it is clear that the candidate can competently:

- Demonstrate knowledge of abrasives used in furniture production.

Assessor feedback to the candidate	
Assessor	Date