Unit 222: Prepare surfaces for painting and/or decorating

# Delivery guide

Unit information

This unit is about preparing surfaces in readiness to receive protective and decorative finishes in industrial and/or non-industrial situations. It covers providing protection to the work area, interpreting information and adopting safe, healthy and environmentally responsible work practices.

Learners may be introduced to this unit by asking themselves questions such as:

* How would I prepare a surface for painting and decorating?
* Can I remove a coating without causing damage to the surface?
* Is there a difference in preparing a surface to be painted and a surface to be hung with wallpaper?
* What are the different types of building materials/surfaces?

Learning outcomes

1. Understand resource selection
2. Understand working to a contract specification
3. Comply with the given contract information to carry out the work safely and efficiently to the required specification

Suggested resources

Textbook

Yarde, B. and Olsen, S. (2020) *The City & Guilds Textbook: Painting and Decorating for Level 1 and Level 2 Diploma/Level 2 Technical certificate*.London: Hodder Education. ISBN 978-1-39830-577-9

Websites

* [Dulux Trade Paint Expert | Products](https://www.duluxtradepaintexpert.co.uk/en/products/products-listing/all/pt_filler%3Aprimer)
* [Crown Trade | Products](https://www.crowntrade.co.uk/products/)
* [Dulux Trade Paint Expert | Knowledge/glossary](https://www.duluxtradepaintexpert.co.uk/en/knowledge/glossary)
* *City & Guilds Construction SmartScreen Factsheet – Level 2 Technical Certificate in Painting and Decorating* (7909–20)

| **Learning outcomes** | **Criteria** | **Delivery guidance** |
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| 1. Understand resource selection | * 1. Characteristics of the resources | * Learners to understand: * the suitability and characteristics of materials used to protect surrounding areas * the suitability and characteristics of cleaning materials * the suitability and characteristics of paint/wallpaper stripping equipment * the suitability and characteristics of primers, sealers and pre-treatment solutions * the suitability and characteristics of filling materials * the suitability and characteristics of abrasive papers and to know which would be most appropriate for the given task * how to assess the quality of the materials appropriate to the task and how to identify any common faults/defects * how to rectify any faulty/defective materials and the implications of doing this. |
| * 1. Use of resources | * Learners to know the various preparation materials and understand their uses. * Learners to understand how to assess surface conditions and establish how to rectify the defects associated with them. * Learners to know the defects associated with timber/timber sheet material and the most suitable material to rectify them. * Learners to know the defects associated with ferrous/non-ferrous metals and the most suitable material to rectify them. * Learners to know the defects associated with plaster/plasterboard and the most suitable material to rectify them. * Learners to know the defects associated with external render and the most suitable material to rectify them. * Learners to know the defects associated with brickwork/blockwork and the most suitable material to rectify them. * Learners to know how and when to report any problematic issues with substrates and preparation materials and the implications of failing to follow procedures. |
| * 1. Organisational procedures to select resources | * Learners to understand organisational documents such as drawings, specifications, schedules and MTIs and to know how to select the most suitable materials when preparing surfaces. |
| * 1. Hazards | * Learners to know about the hazards associated with preparation materials. * Learners to understand the process of Risk Assessment Method Statements (RAMS) and be able to produce their own for a given task. |
| 1. Understand working to a contractspecification | * 1. Methods of work | * Learners to understand how to use specifications, programmes of work and method statements for the given task and to understand the implications of not meeting the given deadlines on other trades. * Learners to understand the following preparation processes and the order they are carried out to achieve the best possible results: washing, stripping, scraping, abrading, keying, mixing, filling, levelling and flattening, dusting-off/brushing-down. * Learners to know the correct preparation processes and the implications of not following them in order. |
| * 1. Tools and equipment | * Learners to understand: * the suitability and characteristics of the different hand tools used in preparing surfaces * the suitability and characteristics of the different power tools used in preparing surfaces * the suitability and characteristics of associated equipment used in preparing surfaces * how to carry out pre-start checks on tools and equipment and the implications of not carrying them out correctly * the cleaning, maintenance and storage procedures for tools and equipment and the implications of not carrying them out correctly. |
| 1. Comply with the given contract information to carry out the work safely and efficiently to the required specification | * 1. Demonstration of work skills to wash, strip and/or scrape, abrade and key, mix, fill, level and/or flatten and brush-down | * Learners to be shown: * how to wash surfaces to remove dirt and contamination in preparation to receive coatings and to a finish * how to strip and/or scrape-off defective wallpaper in preparation to receive new wallcoverings and/or coatings * how to strip and/or scrape-off defective coatings in preparation to receive new coatings * how to abrade surfaces by hand and using power tools in preparation to receive coatings * how to repair/make good substrates by mixing and apply filling materials to a level finish * how to dust-off repaired/made good surfaces then spot-priming. |
| * 1. Use and maintain hand and power tools and associated equipment to prepare, prime and seal exterior and/or interior surfaces for industrial and/or non-industrial situations to given working instructions for the following: * bare substrates and previously painted and/or decorated surfaces in sound condition and featuring surface defects * removal of existing covering and/or material where required | * Learners to be shown: * how to use the different hand tools, power tools and associated equipment to prepare, prime and seal bare timber surfaces to receive coatings * how to use the different hand tools, power tools and associated equipment to prepare, prime and seal bare trowelled surfaces to receive coatings * how to use the different hand tools, power tools and associated equipment to prepare, prime and seal bare ferrous/non-ferrous metal surfaces to receive coatings * how to use the different hand tools, power tools and associated equipment to prepare previously painted surfaces to receive coatings * how to use the different hand tools, power tools and associated equipment to remove defective wallpapered surfaces to receive wallcoverings/coatings * how to use the different hand tools, power tools and associated equipment to remove defective, previously painted surfaces to receive new coatings. |