

**-SQA-SCOTTISH QUALIFICATIONS AUTHORITY**

**Hanover House  
24 Douglas Street  
GLASGOW G2 7NG**

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**NATIONAL CERTIFICATE MODULE DESCRIPTOR**

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**-Module Number- 0074495 -Session-1987-88**  
**-Superclass- XR**

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**-Title- PAINT SURFACE COATINGS 1: CELLULOSE AND ACRYLIC FINISHES**

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**-DESCRIPTION-**

Type and Purpose A specialist module which introduces the student to the spray application of air drying cellulose and acrylic surface coatings.

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Preferred Entry Level 74494 Vehicle Paint Surface Preparation 1  
75333 Painting 5: Conventional Spray Painting

Learning Outcomes The student should:

1. know suitable base surfaces for applying straight colour, metallic cellulose and acrylic surface coatings;
2. prepare suitable spraying equipment;
3. prepare and apply cellulose and acrylic surface coatings;
4. identify and know how to rectify cellulose and acrylic surface coating defects.

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Content/ Context Safety regulations and safe working practices and procedures should be observed at all times.

Corresponding to Learning Outcomes 1-4:

1. Use of paint manufacturers' instructions to identify suitable surfaces and preparation requirements.

Visual inspection of existing paintwork and use of solvent or compatibility tests.

Advantages and disadvantages of cellulose/acrylic finishing processes.

2. Suitability of spray guns and use of technical information to determine required spray gun set-ups.
3. Use of paint manufacturers' instructions to prepare materials.

Preparation and application of non-metallic and metallic cellulose and acrylic coatings to small and large units.

4. Surface coating defects, causes, remedies and prevention.

Suggested Teaching and Learning Approaches

This module should be introduced by lectures and demonstrations at each stage which must be followed by student participation on practical assignments.

Extensive use should be made of paint manufacturers' information.

Common surface coating defects should be inspected and discussed together with their causes, remedies and methods of prevention.

Assessment Procedures

Acceptable performance in the module will be satisfactory achievement of the performance criteria for each learning outcome.

The following abbreviations are used below:

LO Learning Outcome  
 IA Instrument of Assessment  
 PC Performance Criteria

LO1 1A Assignment report, in which the student is given 5 sample surfaces.

PC The student correctly:

- (a) identifies surfaces suitable for painting with cellulose and acrylic finishes;
- (b) states two reasons for using cellulose and two reasons for using acrylic finishes.

LO2 IA Practical exercise used in conjunction with an observation checklist on the preparation of spraying equipment.

PC The student correctly:

- (a) checks that the compressor has been bled;
- (b) closes up air bleeding systems;
- (c) bleeds the transformer;
- (d) attaches hose(s);
- (e) wears all necessary safety clothing and equipment;
- (f) uses tools and equipment safely.

LO3 IA Practical exercises used in conjunction with observation checklists involving:

- 1. application of straight colour - cellulose;
- 2. application of metallic colour - acrylic.

PC The student correctly:

- (a) stirs the tin thoroughly to obtain proper colour;
- (b) extracts sufficient paint for the job;
- (c) checks the viscosity and adjusts accordingly;
- (d) strains the paint;
- (e) checks the colour if appropriate;
- (f) applies materials by spraying;
- (g) wears all necessary safety clothing and equipment;
- (h) uses tools and equipment safely.

LO4 IA Assignment report.

PC The student correctly:

- (a) identifies six finish defects;
- (b) specifies appropriate rectification procedures for each defect.

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