

-SQA- SCOTTISH QUALIFICATIONS AUTHORITY

**Hanover House
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NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number-	2210991	-Session-1991-92
-Superclass-	XR	

-Title-	PEARLESCENT PAINT APPLICATIONS (X¹/₂)
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-DESCRIPTION-

Purpose This module is designed to enable the student to develop the skills and knowledge required to apply pearlescent paint finishes and repair damaged pearlescent paint finishes.

It is intended for persons employed in the vehicle body, paint and repair trades but is also suitable for those employed in the industrial application of pearlescent and similar types of paint finishes.

The standards contained in this module cover the work and the associated Transkill assessments for the RTITB Skills Test BR119 Application and Repair of Refinishing Materials: Pearlescent.

Preferred Entry Level	85333	Conventional Spray Painting (X 1.1/2).
Finishes.	74495	Paint Surface Coatings 1: Cellulose and Acrylic Finishes.
	74497	Paint Surface Coatings 4: Two Pack
	74494	Vehicle Paint Surface Preparation 1.

Outcomes	The student should:
	1. select the appropriate procedure for the application of pearlescent paint finishes;
	2. apply pearlescent paint finishes.

Assessment Procedures	Acceptable performance in this module will be satisfactory achievement of all the Performance Criteria specified for each Outcome.
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The following abbreviations are used below:

PC Performance Criteria
IA Instrument of Assessment

Note: The Outcomes and PCs are mandatory and cannot be altered. The IA may be altered by arrangement with SQA. (Where a range of performance is indicated, this should be regarded as an extension of the PCs and is therefore mandatory.)

OUTCOME 1 SELECT THE APPROPRIATE PROCEDURE FOR THE APPLICATION OF PEARLESCENT PAINT FINISHES

- PCs
- (a) The selection of reference publications for use in determining the procedure for the application of pearlescent paints is correct in terms of the surfaces to be painted.
 - (b) The selection, from use of reference publications, of the procedure for applying pearlescent paint is correct for the given surface.

IA Assignment

The student will be set an assignment consisting of a series of 4 tasks set in a workshop environment to test the application of skills and knowledge required to determine the recommended procedures for applying pearlescent paint finishes.

The student will be required to determine the procedures for applying:

- (i) cellulose pearlescent paint to 2 different types of surface;
- (ii) two-pack pearlescent paint to 2 different types of surface.

Satisfactory achievement of the Outcome will be based on all Performance Criteria being met. This will be demonstrated by the student identifying, from an appropriate publication, information which gives the procedure for applying both cellulose and two-pack pearlescent paint to 2 different surfaces.

OUTCOME 2 APPLY PEARLESCENT PAINT FINISHES

- PCs
- (a) The preparation of the surfaces ensures, upon visual inspection, that all grease, dust, flaking, glazing and surface imperfections have been removed.
 - (b) The application of the primer coats provides a painted surface which is free from runs, blistering, and a chemical surface which is free from runs, blistering, chemical reactions and poor adhesion.
 - (c) The preparation of the paint materials provides a paint mix which complies with the specification contained in the paint manufacturer's recommendations.
 - (d) The application of the finish coats provides a paint finish free from runs, sags, blisters, rough finish and colour mis-match.
 - (e) Tools used are appropriate to the task and working practices followed are in accordance with current safety regulations.
 - (f) The recognition of defects in pearlescent paint finishes commonly known as sags, runs, blistering cracking, pin holing, low gloss, and chemical reaction are correct.
 - (g) Remedial action recommended for defects in pearlescent paint finishes commonly known as sags, runs, blistering cracking, pin holing, low gloss, and chemical reaction, streaking would prevent these defects recurring.
 - (h) Repair action recommended for defects in pearlescent paint finishes commonly known as sags, runs, blistering cracking, pin holing, low gloss, and chemical reaction, streaking would rectify existing defect damage.

IA Assignment

The student will be presented with an assignment consisting of a practical exercise and restricted response questions to test the application of skills and knowledge required to apply pearlescent paints and recommend remedial action for defects.

The assignment will consist of 2 parts as follows:

Part (I): A practical exercise relating to PC (a) to (e) which will comprise 2 tasks:

- (i) the application of cellulose pearlescent paint and;
- (ii) the application of two-pack pearlescent paint.

Part (II): 8 Restricted Response Questions relating to PC (f) to (h) requiring the student to identify and recommend remedial action for the following defects:

- (i) sags;
- (ii) blistering;
- (iii) pin holing;
- (iv) runs;
- (v) chemical reaction;
- (vi) cracking;
- (vii) low gloss;
- (viii) streaking.

Satisfactory achievement of the Outcome will be demonstrated by all Performance Criteria being met. This will be demonstrated by the student for:

Part (I) - producing 2 surfaces painted in accordance with the Performance Criteria and:

Part (II) - producing 8 correct responses.

**The following sections of the descriptor are offered as guidance.
They are not mandatory.**

CONTENT/CONTEXT

The requirements of the relative safety regulations should be applied throughout the module, with particular reference to:

- handling of the chemicals used;
- storage of chemicals;
- procedures in the event of spillage;
- procedures in the event of fire;
- disposal of unused supplies;
- ventilation of the work area;
- use of personal safety equipment.

SUGGESTED LEARNING AND TEACHING APPROACHES

All Outcomes should be taught in a practical workshop environment and may be incorporated into a simulated work situation which includes more than one module and requires a component to be painted for a given purpose.

Up to date vehicle and paint manufacturers' publications must be readily available for use by students at all times throughout the module.

The requirements of any Industry Body such as the RTITB Transkill Scheme should be investigated for inclusion and assessment in the module.

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09/02/98 JH/AM