

**-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-  
-Superclass-**

**0074508  
XR**

**-Session-1987-88**

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**-Title-**

**VEHICLE BODY BUILDING: PANELLING**

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**-DESCRIPTION-**

Type and  
Purpose

A specialist module which introduces the knowledge and skills necessary for the construction and fitting of vehicle body interior and exterior panelling.

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Preferred  
Entry Level

74507 Vehicle Body Building 3: Framing

Learning  
Outcomes

The student should:

1. apply methods of fixing interior and exterior panels and glass reinforced plastic;
  2. apply panel jointing and water sealing;
  3. apply insulation;
  4. apply floor materials.
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Content/  
Context

Safety regulations, safe working practices and procedures should be observed at all times.

Corresponding to Learning Outcomes 1-4:

1. Factors affecting selection of fixing methods: type and grades of material; surface finishing and uses.  
  
Methods of fixing by screws, rivets, mouldings.
2. Methods of panel jointing and water sealing.  
  
Properties of sealing compounds.

3. Thermal and sound insulation material for different types of vehicles, eg. refrigerated, insulated and public service vehicles.

4. Types of material suitable for floor constructions.

Methods of fitting flooring.

Safe working practices when working with glass reinforced plastic and insulation materials.

Suggested Learning and Teaching Approaches

This module should be presented in a practical situation with the lecturer demonstrating the working methods and procedures prior to students working on practical assignments to develop the necessary knowledge and skills.

Technology should be integrated with the work as appropriate and extensive use should be made of manufacturers' literature and specifications.

Where working space is restricted practical assignments could be on scale constructional sections of body frames.

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 IA Practical exercise used in conjunction with an observation checklist in which the student fixes panels and glass reinforced plastic.

PC The student:

(a) uses two different methods to fix each of the following:

- (i) interior panels;
- (ii) exterior panels;
- (iii) glass reinforced plastic;

(b) observes all safety regulations;

(c) uses all tools and equipment safely.

- LO2 IA Practical exercise used with an observation checklist in which the student joins and seals panels.
- PC The student correctly:
- (a) uses two different methods to join panels;
  - (b) uses two different methods to water seal panels;
  - (c) observes all safety regulations;
  - (d) uses all tools and equipment safely.
- LO3 IA Practical exercise used with an observation checklist in which the student selects and applies insulation to a specified installation.
- PC The student correctly:
- (a) selects the appropriate insulation material;
  - (b) applies one type of insulation material;
  - (c) observes all safety regulations;
  - (d) uses all tools and equipment safely.
- LO4 IA Practical exercise used with an observation checklist in which the student fits flooring to a specific job.
- PC The student correctly:
- (a) selects and fits appropriate flooring material;
  - (b) fixes flooring using the appropriate method;
  - (c) observes all safety regulations;
  - (d) uses all tools and equipment safely.