

**-SQA-SCOTTISH QUALIFICATIONS AUTHORITY**

**Hanover House  
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**NATIONAL CERTIFICATE MODULE DESCRIPTOR**

**-Module Number- 0065395 -Session-1986-87**

**-Superclass- TG**

**-Title- MASTIC ASPHALT: INVERTED ROOFS**

**-DESCRIPTION-**

Type and Purpose A specialist module which enables the student to acquire the basic knowledge and skills needed for asphaltting inverted roofs.

Preferred Entry Level 05391 Mastic Asphalt :Roofing Work 1  
05390 Mastic Asphalt :Labour Items

Learning Outcomes The student should:

1. know the type of insulation required for inverted roofs and the sequence of laying;
2. measure, mark, cut and loose-lay insulation material;
3. measure, mark, cut and lay isolating membrane;
4. select and stack loading materials;
5. set out and lay loading materials;
6. comply with regulations and procedures and use safe working practices specified for equipment and work areas.

Content/ Context The following should be read in conjunction with the objectives set out in the New Training Initiative recommendations for Mastic Asphalters.

Corresponding to the Learning Outcomes:

1. identifying insulation materials appropriate to this form of roofing ie polystyrene;
2. measuring, marking, cutting and loose-laying insulation on asphalt surfaces e.g. tight-jointed or lapped;

3. measuring, marking cutting and laying isolating membrane;
4. selecting and loading materials, (ie. pavings and aggregate) safely and without damage to roof;
5. setting out and laying loading materials using bevelling pads for pavings and sealing aggregates at edges and outlets;
6. safety, safe practice and care in use of equipment should be an integral part of all module activities.

Learning and Teaching Approaches

A workshop based module which should build upon the skills and knowledge acquired by students in preceding modules and on their experience at work.

Slides, films and manufacturers' literature could be used to assist students to understand the principles and practice of constructing inverted roofs and their finishes.

Assessment Procedures

All learning outcomes must be validly assessed.

The student must be informed of the tasks which contribute to summative assessment. Any unsatisfactory aspects of performance should, if possible, be discussed with the student as and when they arise.

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

The following abbreviations are used below:

LO Learning Outcome  
IA Instrument of Assessment  
PC Performance Criteria

LO1 IA Practical exercise and observation  
-5 checklist for each LO.

PC The student to stated tolerances and in an agreed time, where appropriate, correctly:

LO1 (a) identifies insulation material;

(b) determines sequence of laying insulation material.

LO2 (a) measures cuts marks and cuts insulation material;

(b) loose-lays insulation material.

- LO3 (a) measures, marks and cuts isolating membrane;
- (b) lays isolating membrane.
  
- LO4 selects and stacks pavings and aggregate safely and without damage to roof.
  
- LO5 (a) set out and lay pavings to required bond;
- (b) lays aggregate;
- (c) seals aggregate at edges and outlets.
  
- LO6 IA Observation checklist in conjunction with practical activities.
  
- PC The student consistently:
  - (a) wears all necessary safety clothing and equipment;
  - (b) behaves in a manner appropriate to the working environment;
  - (c) uses tools and equipment safely.

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