



Australian Government

HLTDET005 Construct thermoformed bases and appliances

Release: 1

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Modification History

| Release | Comments |
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| Release 1 | <p>This version was released in <i>HLT Health Training Package release 3.0</i> and meets the requirements of the 2012 Standards for Training Packages.</p> <p>Minimal changes to the elements and performance criteria. New evidence requirements for assessment including volume and frequency requirements.</p> <p>Removal of pre-requisites</p> <p>Supersedes HLTDT315D</p> |

Application

This unit of competency describes the skills and knowledge required to construct thermoformed bases and appliances such as mouthguards, bleaching trays and orthodontic retainers.

This unit applies to work in dental technology.

The skills in this unit must be applied in accordance with Commonwealth and State/Territory legislation, Australian/New Zealand Standards and industry codes of practice.

Elements and Performance Criteria

ELEMENT

Elements define the essential outcomes

1. Prepare model

2. Thermo-form appliance or base from blank

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Interpret work order

1.2 Mark outline and scribe finishing lines where applicable

1.3 Apply block-out material as required

2.1 Select thermo-forming material in accordance with the work order and appliance to be constructed

2.2 Select thermo-forming equipment according to material

2.3 Apply heat to material to ensure that blank has been

ELEMENT**PERFORMANCE CRITERIA**

Elements define the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element.

uniformly softened

2.4 Adapt softened material to model ensuring adaptation is uniform with constant thickness as specified by manufacturer's instructions

2.5 Allow material to cool

2.6 Verify adaptation

3. Trim, shape and finish appliances or bases

3.1 Remove thermo-formed blank

3.2 Trim to outline and fit to model

3.3 Refine outline

3.4 Smooth and finish appliance or base

Foundation Skills

The Foundation Skills describe those required skills (language, literacy, numeracy and employment skills) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

No Equivalent Unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>