



Australian Government

TLIW2019 Apply surface coatings using a spray gun

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to use a spray gun to apply surface coatings as part of pallet manufacturing processes, in accordance with regulations and workplace requirements in the transport and logistics industry.

It includes planning the surface coating process, undertaking surface preparation, applying the surface coating and completing workplace operations.

Work is generally performed under some supervision, within a team/group environment.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Plan surface coating process

PERFORMANCE CRITERIA

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

- 1.1 Equipment, accessories and consumables are assembled and checked for applicability to the surface coating task/s
- 1.2 Safety data sheets (SDSs)/material safety data sheets (MSDSs) and/or product application and safety information are read and used to inform work practices
- 1.3 Hazards are identified, risks are assessed and control measures

are implemented

1.4 Surface coating spray gun process techniques, time and safety requirements are noted and used to inform work planning

1.5 Personal protective equipment is used/worn as required

2 Undertake surface preparation

2.1 Characteristics of uncoated/raw material and required surface coating materials are identified and appropriate action is taken to rectify problem/s

2.2 Workplace instructions on surface preparation of materials are followed

2.3 Surface preparation is checked for conformity with required workplace standards

3 Apply surface coating

3.1 Sequence of work is identified maximising potential of applied finish for the production operation

3.2 Equipment and accessories are used in accordance with manufacturer and workplace instructions

3.3 Trial applications of surface materials are made to check spray patterns, equipment operations, materials consistency and specified surface finish

3.4 Surface coating depth and coverage is checked for conformity with specifications

3.5 Surfaces are kept free of contamination

3.6 Faults/problems are identified and appropriate action is undertaken in accordance with workplace procedures

4 Complete workplace operations

4.1 Products are located to storage area or next production stage as required

4.2 Equipment is cleaned prior to storage

4.3 Equipment that is damaged, unserviceable or requiring service is tagged and appropriate steps are taken to arrange repair

4.4 Workplace documentation and records are completed as required

Foundation Skills

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

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIW2019A Apply surface coatings using a spray gun.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>