



Australian Government

MSFFL3021 Cut and install resilient floor coverings to stairs

Release: 1

MSFFL3021 Cut and install resilient floor coverings to stairs

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers installing resilient floor covering to stairs, stringers and steps, including planning, preparation, cutting, welding, layout and fixing.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking flooring work. Access to construction sites requires certification of general induction training specified by the National Code of Practice for Induction for Construction Work (ASCC 2007).

Pre-requisite Unit

Competency Field

Unit Sector

Flooring technology

Elements and Performance Criteria

Elements describe the essential outcomes.

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

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| 1 | Prepare for installation | 1.1 | Applicable work health and safety (WHS), legislative and organisational requirements relevant to cutting and installing resilient floor coverings to stairs are verified and complied with |
| | | 1.2 | Instructions and/or plans are read and interpreted to identify process required to complete work tasks |
| | | 1.3 | Sub-floor condition is assessed for suitability for installation of resilient floor coverings to stairs |
| | | 1.4 | Any remedial work to stairway is carried out |
| | | 1.5 | Stairway or step is measured and the required amount of floor covering, including allowances for type of stairs, is calculated and obtained |

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| | | 1.6 | Underlay, if required, is checked against specified type and fitting |
| | | 1.7 | Suitable adhesives, trims and accessories are selected |
| | | 1.8 | Tools, equipment and materials are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition |
| | | 1.9 | Sequence of work is planned, including the starting point, to ensure efficiency and quality of installation |
| 2 | Set out floor coverings | 2.1 | Resilient floor coverings to be used are checked against work order |
| | | 2.2 | Resilient floor coverings are acclimatised according to manufacturer recommendations |
| | | 2.3 | Resilient floor coverings for fixing are organised and used in accordance with relevant safety management requirements |
| | | 2.4 | Working lines and starting point are established |
| | | 2.5 | Pre-form fillet is cut and fitted, if required |
| 3 | Lay resilient floor coverings | 3.1 | Instructions and sequence for laying and fixing is followed |
| | | 3.2 | Resilient floor coverings are laid out to meet directional sequence, pattern match, specification requirements, and to minimise waste and joins as appropriate |
| | | 3.3 | Patterns are cut as required for stairs and used to accurately and clearly mark resilient floor covering for cutting |
| | | 3.4 | Resilient floor coverings are cut to required pattern and shape with minimum waste of materials |
| | | 3.5 | Materials for welding and fixing are organised and used in accordance with relevant safety management requirements |
| | | 3.6 | Welding and fixing methods, equipment and materials are used following manufacturer instructions |
| | | 3.7 | Resilient skirting, reducer and edge strips are set out and installed, as required |

		3.8	Completed installation is checked for flaws in installation and materials and faults rectified following workplace procedures
4	Complete housekeeping	4.1	Unused materials are stored or recycled as required
		4.2	Tools and equipment are cleaned and stored appropriately
		4.3	Work area is cleaned and rubbish disposed of appropriately
		4.4	Workplace documentation is completed

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the work environment.

- Unit context includes:**
- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
 - work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
 - work requires individuals to demonstrate some discretion, judgement and problem solving
- Resilient floor coverings include:**
- homogenous/heterogeneous
 - linoleum sheet
 - encapsulated glass fibre
 - inlaid
 - rotogravure

Stairs include:

- open newell
- bullnose steps
- circular
- recessed steps
- open tread
- box steps
- kit winder treads

Adhesives include:

- plasticised and rubber resin acrylic
- two-part epoxy
- polyurethane
- water-based and solvent-based contact adhesive

Tools and equipment include:

- utility knife with hook, straight and concave blades
- straight edge
- square
- chalk and chalk-line
- tape measure
- hacksaw
- notched trowel
- hammer
- seam and edge trimmer
- recess scribe and pre-formed linoleum recess scribes
- scribing bar
- welding gun and accessories
- hot air gun
- grooving tool
- divider
- pencil cove roller
- hand roller
- cove gauging tool
- roller
- gas bottle and gun
- rubber mallet
- paint brush and bucket
- spatula knife
- builder's pencil
- contact bucket
- linoleum trolley
- liquid seam sealer
- seam sealer applicator
- wall trimmer

Materials include:

- resilient flooring

	• skirting • reducing and edge strips • welding rod • coving accessories • tapes • pattern paper • adhesives
Personal protective equipment includes:	• that prescribed under legislation, regulations and enterprise policies and practices
Information and procedures include:	• workplace procedures relating to the use of tools and equipment • work instructions, including job sheets, cutting lists, plans, drawings and designs • workplace procedures relating to reporting and communication • manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFFL3310A Cut and install resilient floor coverings to stairs

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFFL3021 Cut and install resilient floor coverings to stairs

Modification History

Release 1 - New unit of competency

Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Complete a minimum of the installation of resilient floor coverings to:
 - a box step stairway, stringer and PVC stair nosing
 - a kite winder treads stairway and PVC stair nosing
 - a bull nose step stairway and PVC stair nosing
 - a recessed step stairway
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- State or territory WHS legislation, regulations, standards and codes of practice relevant to cutting and installing resilient floor coverings to stairs
- Organisational and site standards, requirements, policies and procedures for cutting and installing resilient coverings to stairs
- Environmental protection requirements
- Established communication channels and protocols
- Relevant problem identification and resolution
- Types of tools and equipment and procedures for their safe use, operation and maintenance
- Characteristics of materials, products and defects

- Set-up and operation of equipment
- Products assembly techniques
- Procedures for the recording, reporting and maintenance of workplace records and information
- Appropriate mathematical procedures for estimation and measurement
- Type, characteristics, uses and limitations of:
 - weldable resilient floor coverings
 - resilient floor covering installation adhesives
- Forming and welding techniques for installing resilient floor coverings to stairs
- Types and uses of resilient floor covering installation tools and equipment
- Workplace safety system requirements related to resilient floor covering installation
- Characteristics and requirements of sub-floor preparation
- Work flow in relation to cutting, welding and laying resilient flooring to stairs

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to materials, equipment and specifications relevant to installing resilient floor coverings to stairs.

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