



Australian Government

MSFFL2043 Install expansion joints

Release: 1

MSFFL2043 Install expansion joints

Modification History

Release 1. Supersedes and is equivalent to MSFFL2027 Install expansion joints.

Application

This unit describes the skills and knowledge required to install expansion joints and gaps, calculating how many and how often they are to be installed, and what size and type are necessary for the application at hand.

This unit applies to flooring technicians working in accordance with pre-determined work orders.

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

N/A

Unit Sector

Flooring technology

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for work	1.1 Identify and follow work health and safety, legislative and organisational requirements 1.2 Correctly identify work requirements and process from review of documentation 1.3 Confirm subfloor suitability for installation consistent with Australian Standards and manufacturer recommendations 1.4 Select suitable expansion joints, cover strips, fixings and adhesives 1.5 Select and check tools, equipment and materials prior to use to ensure that they are appropriate for the work, serviceable and in a safe

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	condition 1.6 Plan sequence of work to ensure efficiency and quality of installation
2. Set out expansion joints for installation	2.1 Position expansion joints according to the requirements of the flooring type, manufacturer specifications and Australian Standards 2.2 Organise timber or metal mouldings or cork expansion strip for fixing and use in accordance with relevant management requirements 2.3 Prepare required adhesives and fixings for use in accordance with manufacturer instructions 2.4 Establish working lines and starting point
3. Prepare expansion joints	3.1 Follow instructions and sequence for cutting and fixing 3.2 Lay out timber or metal mouldings to meet directional sequence, pattern match, specification requirements and to minimise waste and joins 3.3 Maximise the aesthetics of the materials, where appropriate, matching grains and colours 3.4 Accurately and clearly mark timber or metal moulding or cork expansion strip materials for cutting 3.5 Cut timber or metal moulding or cork expansion strip to length and size for final fixing ensuring minimum waste
4. Install expansion joints	4.1 Organise and use timber or metal mouldings or cork expansion strip for fixing in accordance with relevant safety management requirements 4.2 Prepare and use required adhesives and mechanical fixings in accordance with manufacturer instructions 4.3 Fit timber or metal mouldings or cork expansion strip to perimeter wall expansion gaps, expansion joints in the body of the floor or transition areas 4.4 Inspect finished job and rectify any imperfections following workplace procedures
5. Complete housekeeping	5.1 Store and recycle unused materials in accordance with workplace procedures 5.2 Check, clean and store tools and equipment in accordance with workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	5.3 Clean work area and dispose of rubbish safely 5.4 Accurately complete required workplace documentation

Foundation Skills

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

Unit Mapping Information

Supersedes and is equivalent to MSFFL2027 Install expansion joints.

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 MSFFL2043 Install expansion joints

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- assessed the need for, placed and fitted 5 expansion joints in complete rooms, including:
 - intermittent expansion allowance in a solid strip floor
 - cork expansion trim in a solid timber or parquetry floor
 - caulking joint to a solid timber or parquetry floor
 - proprietary trims to a laminate, bamboo or engineered floor
 - expansion joint to a previously completed floor of any type.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- mathematical procedures for estimation and measurement, including calculation of area and estimation of material requirements
- expansion joint installation:
 - Australian Standards requirements
 - workplace safety system requirements
 - work flow
 - environmental and sustainability protection requirements
 - how to access manufacturer instructions
 - how to assess the requirements for expansion joints and the implications of incorrect assessment
 - types, characteristics, uses and limitations of:
 - the placement and fitting of expansion joints for timber and engineered flooring
 - timber or metal mouldings and cork expansion strip when fitting expansion joints to timber and engineered flooring
 - characteristics and requirements of expansion joint preparation
 - types, characteristics, safe use, maintenance and limitations of tools, equipment and materials
 - techniques for set out, laying, cutting and fixing, the types of problems that may occur and how to avoid and respond, including basic wood working techniques
 - quality indicators for completed work

- procedures and protocols for the recording, reporting and maintenance of workplace records and information.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - flooring installations requiring expansion joints
 - equipment, tools and materials to complete tasks in the Performance Evidence, including safety and personal protective equipment
 - work orders
 - workplace procedures.
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