



Australian Government

Assessment Requirements for MSFFL3049 Apply densifiers and sealers to concrete surfaces

Release: 1

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Modification History

Release 1 - New unit of competency

Performance Evidence

- Comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for applying densifiers and sealers to concrete floors
- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including the use of personal protective equipment
- Establish and maintain appropriate ventilation
- Follow work instructions, operating procedures and inspection practices to:
 - prevent damage to goods, equipment and products
 - minimise the risk of injury to self and others
- Achieve a final densified and sealed finish in accordance with accepted industry practices
- Complete application of densifying and sealing products to both new and older concrete surfaces
- Modify activities to cater for variations in workplace contexts and environment
- Identify any application faults/problems and identify and carry out corrective action
- Communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity
- Use pre-checking and inspection techniques to anticipate concrete surface problems to avoid re-work and wastage
- Recognise and respond to circumstances outside instructions or personal competence
- Plan and organise activities including the preparation and layout of the worksite and the obtaining of equipment and materials to avoid any backtracking, work flow interruptions or wastage
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate densifier or sealer material requirements
- Maintain current knowledge of:
 - application tools and materials
 - concrete densifier and sealer application techniques
- Use the workplace technology related to the application of finishes, including tools, equipment, calculators and measuring devices
- Interpret the technical specifications of materials and analyse their properties to optimise their use

Knowledge Evidence

- State or territory WHS legislation, regulations, standards and codes of practice relevant to the application of densifiers and sealers
- Organisational and site standards, requirements, policies and procedures for densifying and sealing of concrete
- Methods of concrete floor preparation
- Characteristics of densifier and sealer products in relation to ventilation and reaction to change of temperature and relative humidity
- Type, characteristics, uses and limitation of densifier and sealer materials, including manufacturer recommendations
- Types and uses of application tools and equipment
- Workplace safety systems related to densifier and sealer uses and application processes
- Work flow in relation to the application of densifiers and sealers to concrete floors
- Environmental protection requirements
- Established communication channels and protocols
- Relevant problem identification and resolution
- Appropriate mathematical procedures for estimation and measurement
- Procedures for the recording, reporting and maintenance of workplace records and information.

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 a location relevant to the application of densifiers and sealers to concrete surfaces.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>