

1. Title	Install general plastic pipes and fittings
2. Code	EMCUIN216A
3. Range	Perform simple installation of general plastic (e.g. PVC,ABS and UPVC) pipes and fittings, and common parts at general industrial plants, power plants or premises/work sites where boat, fire fighting, water, gas or pipe works is involved.
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Types of pipes and fitting materials</p> <ul style="list-style-type: none"> <li>◆ Know about the types of pipes, accessories and materials, including: <ul style="list-style-type: none"> <li>• Types of pipes</li> <li>• Bends and tees</li> <li>• Extension joints</li> <li>• Joint accessories</li> <li>• Fill materials</li> <li>• Bedding and coating materials</li> </ul> </li> <li>◆ Understand hazards of solvent cement to individuals and the environment</li> </ul> <p>6.2 Methods of installing and jointing pipes</p> <ul style="list-style-type: none"> <li>◆ Capable to apply general repairing and bench fitting techniques in pipe installation according to requirements</li> <li>◆ Capable to joint pipes by solvent cement, etc.</li> <li>◆ Capable to apply common methods of cold or thermal bending in simple installation of pipes</li> <li>◆ Place rubber gaskets or pads at proper positions to prevent leakage</li> </ul> <p>6.3 Professionalism in pipe overhaul and installation</p> <ul style="list-style-type: none"> <li>◆ Capable to use correct tools in simple installation of plastic pipes according to requirements</li> <li>◆ Perform pipe installation according to legal requirements and the code of safety; pass the leakage test</li> </ul>

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is:  (i) Capable to install common plastic pipes and fittings correctly and safely according to pipe-laying and legal requirements and the code of safety; pass the leakage test.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of mechanics and installation skills.