

1. Title	Know about different types of pipe materials
2. Code	EMPDDE101A
3. Range	Know about the properties and applications of different types of pipe materials for plumbing works and use typical materials in design.
4. Level	1
5. Credits	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about the properties and applications of different types of pipe materials</p> <ul style="list-style-type: none"> ◆ Know about the following types of pipe materials: <ul style="list-style-type: none"> • Cast iron pipes • Ductile iron pipes • Copper pipes • uPVC pipes • PE pipes • PVC_C pipes • Cross-linked polyethylene pipes • PB pipes • Lined (uPVC/ polyethylene lining) galvanized steel pipes ◆ Know about the properties of different types of pipe materials, such as: <ul style="list-style-type: none"> • Bend ability • Maximum pressure resistance • Heat resistance • Resilience <p>6.2 Application of different types of pipe materials</p> <ul style="list-style-type: none"> ◆ Know about the international standards and handling methods of different types of pipe materials ◆ Use typical pipe materials in design according to clients' requirements and under instruction
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to know about the properties and applications of different types of pipe materials.</p>
8. Remarks	This unit of competency is applicable to new entrants of the plumbing trade.