

1. Title	Perform basic installation of thermal insulation materials for air-conditioning and refrigeration system
2. Code	EMACIN203A
3. Range	Perform basic installation of thermal insulation materials for air-conditioning and refrigeration system at installation sites under a certain degree of instruction.
4. Level	2
5. Credit	5
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Functions and installation practice of thermal insulation materials for air-conditioning and refrigeration system</p> <ul style="list-style-type: none"> ◆ Understand the functions of thermal insulation materials for air-conditioning and refrigeration chilled water pipe and air duct systems ◆ Understand the functions of damp proof layer ◆ Understand the installation practice of thermal insulation materials <p>6.2 Basic methods and procedures of installing thermal insulation materials for air-conditioning and refrigeration system</p> <ul style="list-style-type: none"> ◆ Identify various typical thermal insulation materials ◆ Install and dismantle platforms for work at height ◆ Install phenolic foam thermal insulation materials tight and neat on to the straight chilled water pipe ◆ Install elastomeric thermal insulation materials tight and neat on to the straight chilled water pipe ◆ Perform seal treatment to thermal insulation material connection points on pipes ◆ Install fibreglass thermal insulation materials tight and neat on to the straight air ducts ◆ Perform seal treatment to thermal insulation material connection points on air ducts <p>6.3 Professionalism in basic installation of thermal insulation materials for air-conditioning and refrigeration system</p> <ul style="list-style-type: none"> ◆ Understand the safety guidelines as required by the law and the code of practice and perform basic installation of thermal insulation materials for air-conditioning and refrigeration system
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to complete systematically and efficiently the basic installation of thermal insulation materials for air-conditioning and refrigeration system.</p>
8. Remarks	This unit of competency is applicable to practitioners engaged in installation of thermal insulation materials for air-conditioning and refrigeration system.