

**Specification of Competency Standards**  
**for the Fashion Industry**  
**Unit of Competency**

Functional Area - Material Development

Title	Evaluate performance of new materials
Code	110273L4
Range	Evaluate the performance of new material against the performance requirement and specifications. This applies to individuals who are required to assess the performance of new material and check if it can perform to its requirements.
Level	4
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Knowledge in the subject area</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• specify the standards and methods for evaluating fashion materials</li> <li>• explain the purposes of material evaluation at different stages of development</li> <li>• identify qualified external resources for material evaluation</li> <li>• analyse and report material performance data for different purposes (e.g. technical viability)</li> </ul> <p>2. Application and process</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• identify the performance requirements of the new material</li> <li>• determine the reference standard and method for evaluating the material performance against the specifications</li> <li>• conduct the material performance evaluation according to the identified standard and method.</li> <li>• collaborate with external parties (e.g. laboratory) when necessary</li> <li>• report the material performance with details of the adopted standard, method and condition</li> <li>• consult with related parties in verifying the performance data and finalizing the findings</li> </ul> <p>3. Exhibit professionalism</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• keep up to date on the international standards for evaluating new materials</li> <li>• apply a holistic approach in analysing and reporting the material performance</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to accomplish:</p> <ul style="list-style-type: none"> <li>• Identification of the standard and method used for evaluating the material performance.</li> <li>• Reporting the new material performance against the performance requirement and specifications.</li> </ul>
Remark	