Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Vehicle Servicing

Title	Mix paints
Code	111721L3
Range	This unit of competency is applicable in vehicle body vehicle painting workshops. Practitioners should be able to mix paints according to painting formulas, carrying out processes such as spray test, colour checking, tinting adjustment and providing written report.
Level	3
Credit	3 *(For Reference Only)*

Competency	**Performance Requirements**
	1. Knowledge (Mix and blend the paints)
	• Understand basic colour theory
	• Be familiar with the basic principles of colour mixing, including:
	  ◦ Colour wheel
	  ◦ Complementary colour
	  ◦ Colour effect
	• Understand the colour codes used by vehicle manufacturer and paint manufacture.
	• Understand the methods of finding out the original colour of the vehicle body according to information such as vehicle brand, vehicle type, year of production and code.
	• Understand the tools and instruments for mixing and blending paints.
	• Be familiar with the relevant legal requirements on environment protection.
	2. Performance (Mix and blend the paints)
	• Select and use appropriate personal protective equipment, tools and instruments correctly.
	• Comply with working instructions on established dangerous goods, pollutants and chemical waste; and handle and dispose chemical waste according to the Code of Practice for Chemical Waste Producer.
	• According to the instructions of vehicle manufacturer and paint manufacture as well as the ordinances of occupational health and safety and environmental protection, carry out the procedure correctly and provide written report focusing on :
	  ◦ Abnormalities
	  ◦ Major decisions

Assessment Criteria	The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is: • Capable of finding out the original colour formula of the vehicle according to the code provided by vehicle manufacturer or the information of the vehicle; and • Capable of mixing and blending the colour by measuring correctly according to the specified formula, and carrying out work such as spray testing, colour checking, tinting adjustment and colour matching and final inspection after work and providing written report.

Remark	The credits value of this unit of competency is set on the presumption that the practitioner concerned has already possessed the knowledge of paints and know how to handle chemicals. (This UoC replaced 108668L2)