

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

1. Title	Mix paints
2. Code	AUSDST229A
3. Range	This unit of competency is applicable in vehicle body vehicle painting workshops. Practitioners should be capable to mix paints according to painting formulas and capable to carry out processes such as spray test, colour checking, tinting adjustment, etc.
4. Level	2
5. Credits	3(for reference only)
6. Competency	<p style="text-align: right;"><b><u>Performance Requirements</u></b></p> <p>6.1 Understand how to mix and blend the paints</p> <ul style="list-style-type: none"> <li>◆ Understand basic colour theory</li> <li>◆ Understand the basic principles of colour mixing, including: <ul style="list-style-type: none"> <li>• Colour wheel</li> <li>• Complementary colour</li> <li>• Colour effect</li> <li>• Colour checking</li> </ul> </li> <li>◆ Understand the colour codes used by vehicle manufacturer and paint manufacture</li> <li>◆ Know about 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, etc.</li> <li>◆ Understand the tools and instruments for mixing and blending of paints</li> </ul>

	<p>6.2 Mix and blend the paints</p> <ul style="list-style-type: none"> <li>◆ Select and use appropriate personal protective equipment, tools and instruments correctly</li> <li>◆ 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</li> <li>◆ 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 following procedure correctly, including: <ul style="list-style-type: none"> <li>• Mix and blend the colour by measurement</li> <li>• Spray test and colour checking</li> <li>• Tinting adjustment</li> <li>• Colour matching, etc.</li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to find out the original colour formula of the vehicle according to the code provided by vehicle manufacturer or the information of the vehicle; and</p> <p>(ii) Capable to mix and blend the colour by measurement correctly according to the formula and carry out work such as spray testing, colour checking, tinting adjustment and colour matching, etc.</p>
8. Remarks	<p>The credits value of this unit of competency is set on the presumption that the people concerned already possess the knowledge of paints and know how to handle chemicals.</p>