

Title	Predict and check shades on textiles		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to: predict shade and produce a shade correction using a computerised colour measurement system; prepare to carry out a visual shade check on textiles; and assess sample shade.
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Classification	Textiles Manufacture > Textile Dyeing and Finishing
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015.
- 2 Definition
Workplace procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.
- 3 Assessment information
All evidence must be in accordance with workplace procedures.
- 4 Recommended skills and knowledge:
Candidates should pass an Ishihara Colour Test or equivalent before commencing this unit standard.

Outcomes and performance criteria

Outcome 1

Predict shade using a computerised colour measurement system.

Performance criteria

- 1.1 Data input meets system requirements for shade prediction and type of substrate being used.

Range substrate, shade tolerance, dye ranges, number of predictions, level of metamerism, sort priority by cost or metamerism, light source, other data required by the installed system.

- 1.2 Selected prediction gives required shade and meets cost, technical, and performance requirements.

Outcome 2

Produce a shade correction using a computerised colour measurement system.

Performance criteria

2.1 Shade of sample is measured.

2.2 Data input meets system requirements for shade correction and the type of sample being measured.

Range allowable dyestuff ranges, shade tolerance, other data required by the installed system.

2.3 Selected correction option achieves required shade.

Outcome 3

Prepare to carry out a visual shade check on textiles.

Performance criteria

3.1 Viewing lights are functional and operate in accordance with workplace procedures.

3.2 Sample for assessment is prepared.

3.3 Sample for assessment is viewed under different illuminants to establish that metamerism between the standard and the sample does not occur.

Outcome 4

Assess sample shade.

Range across full visible colour spectrum.

Performance criteria

4.1 Sample for assessment is compared against standard shade sample.

4.2 Difference in shade is assessed and described.

Replacement information	This unit standard replaced unit standard 5385 and unit standard 5387.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 May 2016	31 December 2023
Review	2	24 March 2022	31 December 2023

Consent and Moderation Requirements (CMR) reference

0030

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.