

QLASSIC Quality Checklist Awareness

A Comprehensive Guide to CIDB CIS 7:2021 Standards
in Malaysia

Training Agenda

- 01 Introduction to QCLASSIC & CIDB Malaysia
- 02 Purpose, Benefits & Scoring Thresholds
- 03 CIS 7:2021 Assessment Criteria & Weights
- 04 Field Methodology & Common Defects
- 05 Best Practices & Stakeholder Roles

QLASSIC Standardizes Construction Excellence

The Quality Assessment System in Construction (QLASSIC) is an independent method used by CIDB Malaysia to measure workmanship quality. Following the CIS 7:2021 standard, it ensures buildings meet functional and aesthetic requirements before handover.



Current Standard: CIS 7:2021

Enhancing Quality Control & Market Value

The system objective is threefold: to benchmark quality standards across the industry, to identify workmanship defects early, and to provide a tangible quality score for market differentiation.

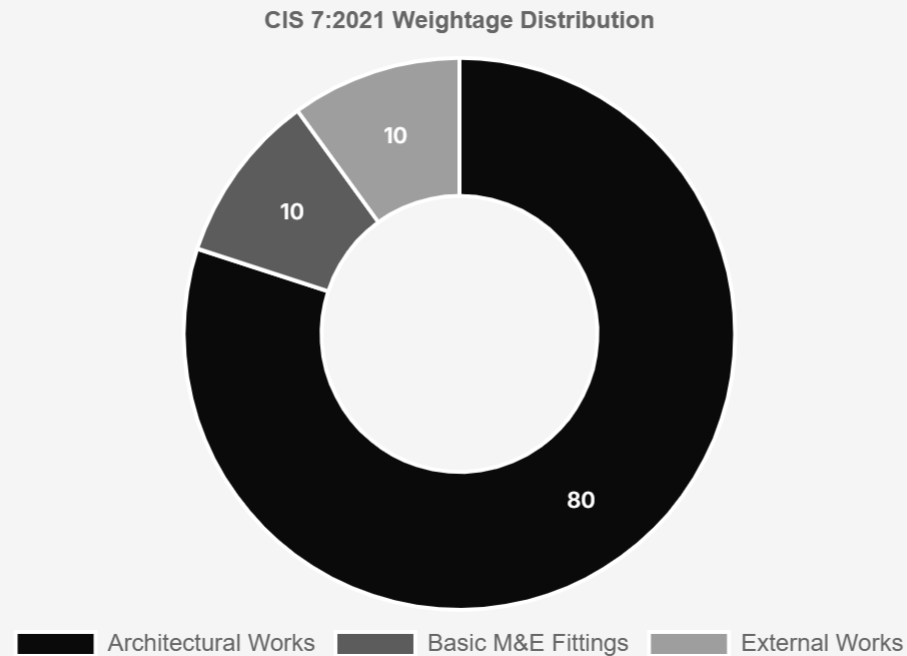
BENEFITS FOR TEAMS

- Reduces rework costs on site
- Improves customer satisfaction
- Aligns with G7 contractor KPIs
- Official CIDB Certification

KEY INSIGHT

High QLASSIC scores increase the marketability of property projects and build buyer trust.

Assessment Structure & Weights



Source: CIDB Malaysia (CIS 7:2021). Structural works removed in 2021 revision.

Quality Benchmarks & KPIs

70%

Public Project KPI Threshold

80%+

Rating for 'Excellent' Quality

72%

Recent National Average Score

CIDB mandates a minimum score of 70 for public building projects managed by G7 contractors to ensure consistent quality delivery.

Architectural Inspection Areas

O1 Internal Finishes: Floors, Walls, Ceilings, Doors, Windows, Fixtures (91.89% weight)

O2 Basic M&E: Electrical points, Air conditioning, Plumbing fittings

O3 External Works: Aprons, perimeter drains, driveways, fencing

O4 Roof: Waterproofing, drainage, and structural integrity

Sampling & Field Tools

Assessments use random sampling based on 1 sample per 70 m² GFA. Field teams utilize specialized tools like rebound hammers, ultrasonic testers, and infrared cameras to detect hollow tiles or moisture ingress.



Sample Size: Min 30, Max 700

Common Defects & Non-Compliance

HOLLOW TILING & WALLS

Inadequate mortar bedding leads to hollow sounds during tapping tests. This is a primary cause for failure in internal finishes (Architectural).

ALIGNMENT & LIPPAGE

Uneven surface levels between tiles or misaligned joints in walls and ceilings. Lippage exceeding 1.0mm fails CIS 7:2021 standards.

MECHANICAL & ELECTRICAL NON-COMPLIANCE

Common issues include exposed wiring, improperly sealed M&E openings, and non-functional

Achieving High QLASSIC Scores

Success requires a shift from 'corrective' to 'preventative' quality management. Contractors should implement Mock-Up rooms as a standard to establish quality benchmarks before mass execution.

CONTRACTOR STRATEGIES

- Technical Training (2026 Focus)
- Regular Internal Quality Audits
- Sub-contractor Performance KPIs
- Use of Precise Inspection Tools



Stakeholder Roles & Responsibilities

Stakeholder	Primary Responsibility
CIDB QLASSIC Assessor	Qualified (Lvl 1 & 2) to conduct independent sampling and scoring.
Main Contractor (G7)	Ensures site readiness and achieves minimum 70% threshold KPI.
Project Consultant	Supervises workmanship and validates defect rectification reports.

The Certification Journey

Step-by-step from Application to CIDB Official Reporting

Certification & Reporting Steps

01 Application: Submission to CIDB via QLASSIC Online System.

02 Site Verification: Assessor verifies project completion (min 95% Architectural).

03 Field Assessment: Random sampling of units and external works.

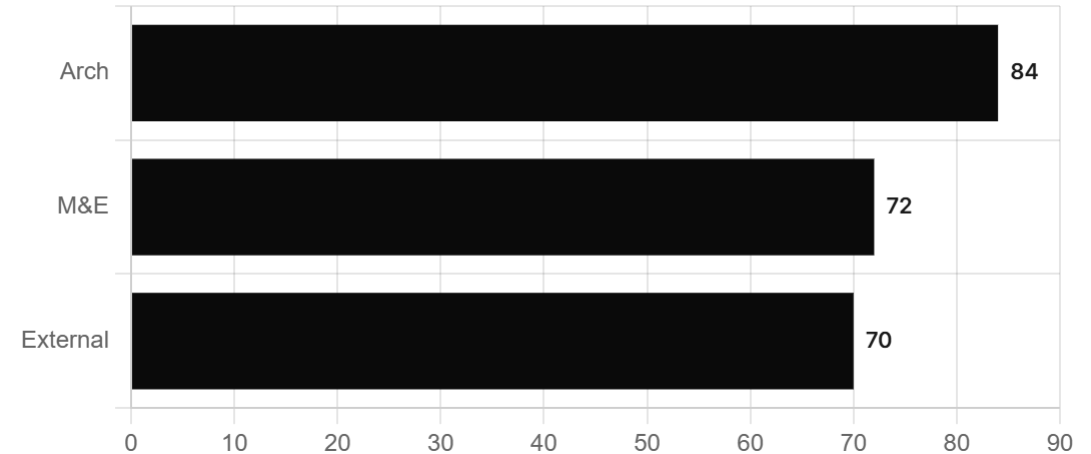
04 Data Processing: Scores calculated based on CIS 7:2021 weightage.

05 Result Issuance: Official certificate issued with rating (Excellent/Good/Satisfactory).

Case Study: High-Rise Residential Project

82%

Final Assessment Score (Excellent)



The project achieved excellence by prioritizing internal finishes (Arch), which carry the highest weight. Key success factor: 100% attendance of site supervisors during the Level 1 & 2 Assessor Courses.

Questions & Final Summary

Thank you for completing this training.