

Pacific Certifications

ISO 13006:2018 Gap Analysis Template

Ceramic Tiles - Definitions, Classification, Characteristics and Marking

Downloadable Product Compliance Resource

A practical website-download resource for ceramic tile manufacturers, importers, exporters, suppliers, and project teams preparing for ISO 13006:2018 product conformity review.

Standard Focus	Use This Resource To
ISO 13006:2018 - Ceramic tiles - definitions, classification, characteristics and marking	Review product classification, characteristics, test evidence, marking, records, and readiness for independent product certification or buyer compliance review.

Note: This template is a practical support tool and does not replace the official ISO 13006:2018 standard or applicable regulatory, customer, contractual, or laboratory testing requirements. Organizations should verify requirements against the official standard and applicable market rules.

How to Use This Template

- Identify each ceramic tile product family, type, group, size range, surface finish, intended use, and target market before completing the review.
- Compare existing product specifications, laboratory test reports, marking, packaging, and quality control records against the relevant ISO 13006:2018 requirements.
- Use the status columns to rate readiness: Compliant, Partial, Gap, or Not Applicable.
- Record objective evidence, missing documents, corrective actions, responsible persons, and target dates.
- Prioritize gaps that affect product classification, declared characteristics, test validity, traceability, marking, and customer/regulatory acceptance.

Suggested Status	Meaning
Compliant / Conforming	Requirement is addressed and supported by current evidence.
Partial / Minor Gap	Requirement is partly addressed but needs improvement, update, or stronger evidence.
Gap / Major Gap	Requirement is missing, ineffective, or not supported by objective evidence.
N/A	Not applicable to the product, market, process, or declared use. Justification should be recorded.

ISO 13006:2018 Readiness Overview

Review Area	Key Review Focus	Typical Evidence
Product scope and classification	Tile families, forming method, water absorption group, surface finish, intended use, nominal/work sizes.	Product catalogue, technical data sheets, product family matrix, classification rationale.
Dimensional and surface characteristics	Length, width, thickness, straightness, rectangularity, flatness, surface quality and permitted tolerances.	Inspection records, laboratory reports, sampling plans, acceptance criteria.
Physical and mechanical characteristics	Water absorption, modulus of rupture, breaking strength, abrasion, thermal shock, crazing resistance where applicable.	ISO 10545 series test reports, lab scope, sample identification records.
Chemical and safety characteristics	Chemical resistance, stain resistance, frost resistance where applicable, lead/cadmium release where applicable.	Test reports, customer specifications, market access evidence, regulatory review.
Marking, packaging, and declarations	Required product information, manufacturer/supplier identification, standard reference, classification, sizes, surface type, quality grade.	Label artwork, packaging samples, declarations of conformity, batch records.
Control and traceability	Batch traceability, raw material controls, production inspection, nonconforming product control, corrective action.	Batch cards, QC records, calibration records, NCR/CAPA records, release records.

ISO 13006:2018 Gap Analysis Worksheet

Complete one worksheet for each product family or manufacturing site where requirements, testing evidence, or marking may differ.

Product Identification and Scope

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Are all ceramic tile product families covered by the review clearly identified?	Product family list, catalogue, SKUs, sizes, finishes, intended use.			
Are products separated by meaningful groups such as forming method, absorption group, surface finish, dimensions, and manufacturing site?	Product grouping matrix and technical sheets.			
Are exclusions, special products, second quality products, or non-standard products clearly controlled?	Exclusion list, sales terms, internal release rules.			
Are customer, project, regulatory, and export market requirements identified before product claims are made?	Customer specifications, market access notes, contracts.			

Classification Requirements

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Has the forming method or manufacturing route been identified consistently for each product family?	Process description, product classification matrix.			
Has the water absorption group been determined using valid test evidence?	Water absorption test reports and sampling records.			
Do catalogues and technical sheets state classifications consistently with test results?	Current catalogues, website data, product datasheets.			
Are classification changes controlled when formulations, firing conditions, suppliers, or processes change?	Change control records and retesting decisions.			

Dimensions and Surface Quality

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Are nominal sizes, work sizes, modular sizes, and permitted tolerances defined where applicable?	Drawings, product specifications, inspection criteria.			
Are dimensional characteristics verified through inspection or laboratory testing?	Dimensional inspection reports, control charts, lab reports.			
Are surface quality requirements and acceptance criteria defined for visual defects?	Visual inspection SOP, defect catalogue, acceptance records.			
Are sampling frequency and acceptance decisions documented for released batches?	Sampling plan, batch release records, inspection forms.			

Physical and Mechanical Characteristics

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Are water absorption, breaking strength, and modulus of rupture evaluated for applicable tile groups?	Relevant test reports, product specification sheets.			
Are abrasion or surface wear characteristics evaluated where required for glazed or unglazed tiles?	Abrasion test reports, intended use declarations.			

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Are thermal shock, crazing, moisture expansion, and frost resistance considered where applicable?	Applicability matrix, lab reports, climate/use review.			
Are test samples traceable to production batches and product families?	Sample logs, batch records, laboratory submission forms.			

Chemical and Safety Characteristics

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Are chemical resistance and stain resistance evaluated where applicable?	Chemical and stain resistance test reports.			
Are lead and cadmium release requirements considered for relevant glazed surfaces or markets?	Safety test reports, regulatory applicability review.			
Are additional customer or national requirements reviewed before market release?	Customer standards, regulatory matrix, declaration review.			
Are retesting rules defined when raw materials, glaze, body composition, or process settings change?	Change control procedure and retesting records.			

Marking, Packaging, and Product Declarations

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Do labels and packaging include correct product identification and classification information?	Packaging artwork, label samples, declaration templates.			
Is the ISO 13006:2018 reference used accurately and not misleadingly?	Website copy, technical sheets, packaging claims.			
Are manufacturer/supplier details, batch identification, dimensions, surface type, and quality grade controlled?	Packaging specification, batch labels, release approvals.			
Are obsolete labels and outdated product declarations prevented from use?	Document control, artwork approval, warehouse control.			

Testing, Laboratory Control, and Records

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Are applicable test methods identified, including relevant ISO 10545 series tests where required?	Test method matrix, laboratory quotations, test plans.			
Are laboratories competent and test reports complete, current, and traceable?	Lab accreditation/scope where available, test reports.			
Are calibration and measurement controls maintained for in-house inspections?	Calibration certificates, equipment register.			
Are records retained for the defined period and easily retrievable?	Record retention matrix, digital archive, batch history.			

Nonconforming Product and Improvement

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Are nonconforming products segregated, identified, and dispositioned before release?	NCR records, hold tags, concession approvals.			
Are customer complaints and field issues analyzed for product conformity impact?	Complaint logs, technical investigation reports.			
Are corrective actions taken when repeated defects or test failures occur?	CAPA reports, root cause analysis, effectiveness checks.			

Gap Analysis Question	Evidence to Review	Status	Gap / Action Required	Owner / Target Date
Are management reviews or quality reviews used to monitor product conformity trends?	Review minutes, KPI dashboard, rejection and claim trends.			

Action Plan Summary

No.	Gap / Finding	Risk / Impact	Corrective Action	Owner	Target Date	Status
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

Need ISO 13006:2018 Product Certification Support?

For product certification assistance, documentation review, application support, and next steps, contact Pacific Certifications at support@pacificcert.com or visit www.pacificcert.com. Download related resources from the ISO certification service pages and use this template before submitting your product details for review.