

Coating and Painting Inspection Competencies Summary

Stanislas MAZACZ - QM SYSTEM

With more than 20 years of continuous field experience, I provide full-scope coating and painting inspection services for oil & gas, energy, FPSO, pipelines, valves, skids, frames, and industrial equipment, fully aligned with Saudi Aramco Engineering Standards (SAES-H series), Saudi Aramco Form-175 (IR091900), and international best practices.

My expertise is built on the complete Aramco coating control workflow, from coating selection to final acceptance and release, including full in-process inspection and final conformity verification.

I am Saudi Aramco SAP certified for both Critical and Non-Critical Coatings (QM11 - Special / Critical Coatings and QM12 - Standard / Non-Critical Coatings). I have also participated in coating system qualification programs, including performance verification and accelerated corrosion testing such as salt spray testing, in order to validate long-term durability and resistance of protective coating systems.

Core Aramco Coating Inspection Framework

Saudi Aramco Form-175 - IR091900

Inspection & Testing Requirements - Coating

(Scope: tanks, vessels, piping, pipelines, structures, process equipment; internal & external; onshore, offshore and/or subsea)

Pre-Production / Pre-Fabrication

MTC verification for paints & abrasives

Storage of paints, thinners, and abrasives

Approval of coating and repair procedures

In-Process Inspection

Safety compliance (SAES-H-102)

Surface preparation per SAES-H-001, SAES-H-002, SAES-H-004

Pre-blast checks, weather conditions, contamination control

Cleaning, profile, cleanliness grade, dust level, steel imperfections

Salt contamination testing

Paint and coating preparation (mixing, induction time, pot life)

Atmospheric conditions & substrate temperature

Dry Film Thickness (DFT) measurements per SSPC-PA2 (Level 2)

Recoat intervals & system compatibility

Final Inspection

Visual inspection of finished coating

DFT, holiday and adhesion testing

Product certificates, inspection records and compliance

Alignment with Saudi Aramco Engineering Standards

SAES-H-001 - Coating Selection and Application Requirements for Industrial Plants and Equipment

SAES-H-002 - Internal and External Coatings for Steel Pipelines and Piping

SAES-H-101V - Approved Saudi Aramco Data Sheets - Paints and Coatings

SAES-H-004 - Protective Coating Requirements for Offshore Structures and Facilities



International Standards & Techniques Mastered

ISO 8501 / ISO 8502 / ISO 8503 / ISO 8504 - Surface preparation

ISO 12944-5 - Protective paint systems

ISO 19840 - DFT on rough surfaces

SSPC-PA2 - Dry Film Thickness conformance

ASTM D5162 - Holiday testing

NACE RP0188 - Discontinuity detection

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End-to-End Coating Inspection Capability

Pre-Application

Specification review, surface preparation, environment monitoring, abrasive control

In-Process

WFT & DFT measurements, curing and recoat windows, stripe coats, edge and weld coverage

Final Acceptance

DFT mapping, holiday detection, adhesion testing, visual inspection, documentation review and release recommendation