COATING INSPECTION REPORT

Surface Preparation, Paint Application & DFT Traceability

WEBSITE SAMPLE
NOT AN ACTUAL COATING CERTIFICATE

PUBLIC QUALITY EVIDENCE SAMPLE | Surface Preparation | Environmental Control | Coating DFT | Batch Traceability

Customer	CONFIDENTIAL / REDACTED	**Report No.**	YK-COAT-SAMPLE-001	**Revision**	1 / Public Sample
Project / Purpose	Website Quality Evidence - Coating Report Format	**PO / Contract No.**	[REDACTED]	**Inspection Date**	18-Aug-2026
Manufacturer	CHINA YINKE VALVE CO., LIMITED	**Coating Procedure**	YK-QC-CP-[CONTROLLED]	**ITP / QCP Ref.**	YK-QCP-[CONTROLLED]

1. VALVE / ITEM IDENTIFICATION

Item	Gate Valve, Bolted Bonnet, OS&Y	**Size / Rating**	NPS 6 / ASME Class 150	**Body Material**	ASTM A216 WCB
End Connection	RF Flanged	**Valve Serial No.**	[REDACTED]	**Valve Tag No.**	[REDACTED]
Body Heat No.	[REDACTED]	**Bonnet Heat No.**	[REDACTED]	**MTC / CMTR No.**	[REDACTED]
Coating Area	External surfaces unless excluded by approved specification	**Color**	Illustrative: RAL 5015 Blue	**Service**	Industrial / Oil & Gas - Sample

2. COATING SYSTEM & MATERIAL TRACEABILITY

Coat	Generic Type	Product / Manufacturer	Batch No.	Color	Target DFT	Thinner / Batch	Mix Ratio	Status
1	Zinc-rich epoxy primer	[CONTROLLED / EXAMPLE]	[REDACTED]	Gray	75 µm	[REDACTED]	Per TDS	SAMPLE
2	High-build epoxy intermediate	[CONTROLLED / EXAMPLE]	[REDACTED]	Gray	125 µm	[REDACTED]	Per TDS	SAMPLE
3	Aliphatic polyurethane topcoat	[CONTROLLED / EXAMPLE]	[REDACTED]	RAL 5015	50 µm	[REDACTED]	Per TDS	SAMPLE

GOVERNING REQUIREMENT: Actual production coating follows the customer/project coating specification, approved coating procedure and paint manufacturer technical data sheets. The system above is an illustrative public sample only.

3. SURFACE PREPARATION & ENVIRONMENTAL CONDITIONS

Surface Condition	Clean, dry, free from oil/grease	**Preparation Method**	Abrasive blast cleaning	**Visual Grade**	Illustrative: Sa 2½	**Reference**	ISO 8501-1
Surface Profile	Illustrative: 50 µm	**Profile Method**	Comparator / approved method	**Dust Check**	Illustrative: Acceptable	**Salt Check**	Recorded against project limit
Ambient Temp.	Illustrative: 24 °C	**Steel Temp.**	Illustrative: 28 °C	**Relative Humidity**	Illustrative: 58%	**Dew Point**	Illustrative: 15.3 °C
Steel - Dew Point	Illustrative: 12.7 °C	**Project Criterion**	≥ 3 °C above dew point	**Weather**	Indoor / dry	**Surface Moisture**	None observed
Inspector Check	Surface accepted before primer application	**Hold / Witness**	Per approved ITP	**Start Time**	Illustrative: 09:10	**Release**	SAMPLE / Example

REFERENCE NOTE: ISO 8501-1 is used here as a recognized reference for visual assessment of blast-cleaned steel surfaces. Actual acceptance criteria remain those stated in the project coating specification and approved procedure.

YinkeValve FLOW CONTROL

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4. COATING APPLICATION RECORD

Coat	Application	Start	Finish	Air Temp.	Steel Temp.	RH	Dew Point	Recoat / Cure Check	Result
1	Airless spray	09:30	10:20	24 °C	28 °C	58%	15.3 °C	Per TDS / accepted	SAMPLE
2	Airless spray	14:10	15:00	25 °C	29 °C	56%	15.5 °C	Per TDS / accepted	SAMPLE
3	Airless spray	10:00	10:45	24 °C	27 °C	60%	15.7 °C	Per TDS / accepted	SAMPLE

5. DRY FILM THICKNESS (DFT) INSPECTION

Point	Location	After Coat 1	After Coat 2	Final DFT	Target Total	Deviation	Acceptance	Result
01	Body - Top	78 µm	204 µm	259 µm	250 µm	+9	Project limits / approved procedure	SAMPLE
02	Body - Side A	75 µm	201 µm	255 µm	250 µm	+5	Project limits / approved procedure	SAMPLE
03	Body - Side B	81 µm	211 µm	268 µm	250 µm	+18	Project limits / approved procedure	SAMPLE
04	Bonnet	76 µm	205 µm	262 µm	250 µm	+12	Project limits / approved procedure	SAMPLE
05	Flange OD - A	73 µm	198 µm	252 µm	250 µm	+2	Project limits / approved procedure	SAMPLE
06	Flange OD - B	79 µm	213 µm	271 µm	250 µm	+21	Project limits / approved procedure	SAMPLE
AVG	Representative average	77 µm	205 µm	261 µm	250 µm	+11	Illustrative sample	SAMPLE

DFT NOTE: Final DFT values are illustrative examples only. Production records use calibrated coating-thickness instruments and the sampling/acceptance method defined by the customer specification, approved coating procedure and ISO 19840 where contractually applicable.

6. VISUAL / FINISH INSPECTION

No.	Inspection Item	Sample Status	Record / Remark
01	Uniform color and coverage; no missed areas	SAMPLE - ACCEPT	Example format only
02	No visible runs, sags, blistering, cracking or contamination	SAMPLE - ACCEPT	Example format only
03	Flange gasket faces, stem, nameplate and machined surfaces protected / uncoated as specified	SAMPLE - ACCEPT	Masking / exclusion check
04	Coating damage after handling visually checked	SAMPLE - ACCEPT	Repair if required per approved procedure
05	Color / identification confirmed against approved order requirement	SAMPLE - ACCEPT	Illustrative: RAL 5015

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8. INSPECTION EQUIPMENT & CALIBRATION CONTROL

Instrument	Instrument ID	Range	Accuracy	Calibration Ref.	Valid Through	Status
DFT Gauge	[REDACTED]	0-1500 µm	Per instrument spec.	[REDACTED / CONTROLLED]	Verified before actual test	Sample field
Surface Profile Gauge / Comparator	[REDACTED]	Applicable range	Per method	[REDACTED / CONTROLLED]	Verified before actual test	Sample field
Thermo-Hygrometer / Dew Point Meter	[REDACTED]	Applicable range	Per instrument spec.	[REDACTED / CONTROLLED]	Verified before actual test	Sample field
Surface Temperature Meter	[REDACTED]	Applicable range	Per instrument spec.	[REDACTED / CONTROLLED]	Verified before actual test	Sample field

9. DOCUMENT & EVIDENCE CROSS-REFERENCE

No.	Supporting Record	Reference No.	Traceability / Purpose	Issue Status
1	Approved Coating Procedure / Specification	[REDACTED / CONTROLLED]	Defines surface preparation, paint system, DFT and inspection requirements	Available with applicable order / audit
2	Paint Product Data Sheet / Technical Data Sheet	[CONTROLLED]	Mixing, thinning, recoat window and application conditions	Controlled manufacturer document
3	Paint Batch / Material Certificate Records	[REDACTED / CONTROLLED]	Traceability of each coating layer to batch / lot	Available with applicable order / audit
4	DFT Gauge Calibration Certificate	[REDACTED / CONTROLLED]	Traceability of final thickness measurements	Available with applicable order / audit
5	Environmental Instrument Calibration Record	[REDACTED / CONTROLLED]	Traceability of temperature, RH and dew point readings	Available with applicable order / audit
6	Surface Preparation / Blast Inspection Record	[REDACTED / CONTROLLED]	Evidence of preparation grade and profile before coating	Available with applicable order / audit
7	Coating Photographs / Final Inspection Record	[REDACTED / CONTROLLED]	Visual evidence of coating condition and nameplate / masking	When required by ITP / customer

10. INSPECTION STATUS & RELEASE AUTHORIZATION

Coating Applicator / Inspector	QC Inspector	Customer / TPI Witness	Final Approval
Name: _____	Name: _____	Name: _____	Name: _____
Signature: _____	Signature: _____	Signature: _____	Signature: _____
Date: _____	Date: _____	Date: _____	Date: _____

ACTUAL REPORT CERTIFICATION: For production orders, the authorized QC representative confirms that coating activities were inspected against the approved coating procedure, project specification and applicable paint manufacturer instructions, and that recorded results are traceable to the listed instruments and coating material batches.

WITNESS NOTE: Customer or third-party signatures are recorded only when required by the approved ITP. Where witnessing is not required, the applicable review, release or waiver reference is retained in the controlled order file.

PUBLIC WEBSITE SAMPLE - NOT AN ACTUAL PRODUCT COATING CERTIFICATE. This document demonstrates the YINKE VALVE coating inspection report format and QC traceability fields. Customer, PO, serial, heat, coating batch, instrument and calibration identifiers are intentionally redacted. Numerical environmental and DFT entries are illustrative examples only. Actual order reports are issued from controlled QC records after inspection and include the applicable valve-specific coating system, batch traceability, calibrated instrument references and authorized approvals.