



ARCOR[®] International

E P O X Y T E C H N O L O G I E S[®]

Quality Control Forms

- Quality Control Checklist
- Surface Preparation Checklist
- Surface Analysis
- Surface Profile Record
- Environmental Conditions
- Coating Application Checklist
- Material Batch Record
- Dry Film Thickness Record
- Spark Test Record



QUALITY CONTROL INSPECTION REPORT

JOB # _____ PAGE ____ OF ____

QUALITY CONTROL CHECKLIST

Revised 1/93

Project: _____

Client: _____

Area / Item: _____

	ACCEPT	REJECT	NOTE
Environment	_____	_____	_____
Surface Profile	_____	_____	_____
Surface Cleanliness	_____	_____	_____
Surface Temperature	_____	_____	_____
Base Coat	_____	_____	_____
Intermediate Coat	_____	_____	_____
Top Coat	_____	_____	_____
Total Film Thickness	_____	_____	_____
Spark Test	_____	_____	_____

QC Inspector: _____

Date Of Inspection: _____



QUALITY CONTROL INSPECTION REPORT

JOB # _____ PAGE ___ OF ___

QC CHECKLIST FOR SURFACE PREPARATION

Revised 1/93

Project: _____

Client: _____

Area / Item: _____

YES **NO** **N/A**

PRELIMINARY CONDITIONS

_____	_____	_____	Is the compressed air supply free of oil and moisture ?
_____	_____	_____	Is the surface free of grease, oil, tar and crayon marks ?
			List type(s) of contamination: _____

_____	_____	_____	Is the surface dry and moisture free ?
_____	_____	_____	Are steel defects present ?
			List type (s) of defects: _____

SOLVENT CLEANING

_____	_____	_____	Is solvent cleaning required ?
_____	_____	_____	Are clean rags, clean brushes and proper solvent available ?
_____	_____	_____	Was solvent cleaning completed as required per SSPC-SP-1 ?

AMBIENT CONDITIONS

_____	_____	_____	Is the air temperature between ____ °F and ____ °F ?
_____	_____	_____	Is the surface temperature between ____ °F and ____ °F ?
_____	_____	_____	Is the relative humidity below ____ % ?
_____	_____	_____	Is the dew point at least 5° F below the surface temperature ?
_____	_____	_____	If required, is the environmental control equipment in place and operational ?

INSPECTION RESULTS

_____	_____	_____	Was the surface preparation operation completed during the shift ?
_____	_____	_____	Did the level of cleanliness meet SSPC-SP- _____ ?
_____	_____	_____	Are two surface profile readings above ____ mils (0.001 in.) ?
_____	_____	_____	Has the surface quality been accepted by the owner's QC Department ?

QC INSPECTOR _____ INSPECTION DATE _____



QUALITY CONTROL INSPECTION REPORT

JOB # _____ PAGE ___ OF ___

SURFACE CONTAMINATION ANALYSIS TEST (SCAT)

Revised 1/93

Project: _____

Client: _____

Area / Item: _____

CALCULATION	Determination 1	Determination 1
LINE (1) Tritrator Strip Reading	(ppm)	(ppm)
LINE (2) Volume Of Water	milliliters (ml)	milliliters (ml)
LINE (3) = LINE (1) x LINE (2) (cm ² = 6.45 x in ²)	micrograms (µg Cl-)	micrograms (µg Cl-)
LINE (4) Surface Area Swabbed	(cm ²)	(cm ²)
LINE (5) = LINE (3) ÷ LINE (4)	µg (Cl-) per cm ²	µg (Cl-) per cm ²
LINE (6) = LINE (5) x 10	µg (Cl-) per M ²	µg (Cl-) per M ²

QC INSPECTOR _____

INSPECTION DATE _____



QUALITY CONTROL INSPECTION REPORT

JOB # _____ PAGE ___ OF ___

SURFACE PROFILE RECORD

Revised 1/93

Project: _____

Client: _____

Area / Item: _____

AREA #	PROFILE READING

AREA #	PROFILE READING

AREA #	PROFILE READING

AREA #	PROFILE READING

QC Inspector: _____

Date Of Inspection: _____



QUALITY CONTROL INSPECTION REPORT

JOB # _____ PAGE ____ OF ____

QC CHECKLIST FOR COATING APPLICATION

Revised 1/93

Project: _____

Client: _____

Area / Item: _____

YES NO N/A

AMBIENT CONDITIONS

Is the air temperature between ____ °F and ____ °F ?

Is the surface temperature between ____ °F and ____ °F ?

Is the relative humidity below ____ % ?

Is the dew point at least 5°F below the surface temperature ?

If required, is the environmental control equipment in place and operational ?

COATING MATERIAL

Primer Intermediate

Finish Touch Up

Batch # _____

Application Equipment _____

Is the compressed air supply free of oil and moisture ?

Is the surface free of oil, grease, moisture and contamination ?

Has the surface remained acceptable per SSPC-SP- _____ ?

Is the surface free of dust, dirt and spent abrasives ?

Are the required protective coverings in place ?

Is the mixing and application equipment clean and operational ?

Are wet film thickness gauges being used by the applicator ?

Has the material been mixed per the manufacturer's instructions ?

Has the material been applied within the usable pot life ?

QC INSPECTOR _____ INSPECTION DATE _____



QUALITY CONTROL INSPECTION REPORT

JOB # _____ PAGE ___ OF ___

DRY FILM THICKNESS READINGS

Revised 1/93

Project: _____

Client: _____

Area / Item: _____

LOCATION				
Thickness mils (0.001")	T	Avg.	%/ min	
Sum Of Averages				
Average Of Five Readings				

LOCATION				
Thickness mils (0.001")	T	Avg.	%/ min	
Sum Of Averages				
Average Of Five Readings				

LOCATION				
Thickness mils (0.001")	T	Avg.	%/ min	
Sum Of Averages				
Average Of Five Readings				

LOCATION				
Thickness mils (0.001")	T	Avg.	%/ min	
Sum Of Averages				
Average Of Five Readings				

QC Inspector: _____

Date Of Inspection: _____



QUALITY CONTROL INSPECTION REPORT

JOB # _____ PAGE ___ OF ___

HIGH VOLTAGE SPARK TESTING RECORD

Revised 1/93

Project: _____

Client: _____

Area / Item: _____

SERIAL #	DEFECT LOCATION	REPAIR
		DATE: _____
		RETEST: _____
		DATE: _____
		RETEST: _____
		DATE: _____
		RETEST: _____
		DATE: _____
		RETEST: _____
		DATE: _____
		RETEST: _____
		DATE: _____
		RETEST: _____
		DATE: _____
		RETEST: _____

SPARK TESTER SERIAL # _____

QC INSPECTOR _____

VOLTAGE SETTING _____

WAND TYPE _____

INSPECTION DATE _____