DAILY INSPECTION REPORT

REPORT # 12345, APPROVED PO# 12345-1 , JOB# 12345-1, HOUSTON, TEXAS

Commercial Paint & Coating, LLC

Started: 03/18/2021, 7:13 PM CDT - Location: 29.7317,-95.2416 Submitted: 03/22/2021, 5:01 PM CDT - Location: 29.7316,-95.2414 Approved: 03/22/2021, 5:02 PM CDT

GENERAL

Report Date: 03/15/2021, CDT

Description of Items and/or Areas of Work: Pipe spools, FL4 Piping Chevron

Job Phase Code: N/A

PRE-WORK SURFACE CONDITIONS

Substrate: Steel

Primed for Subsequent Coats: No

General Description: New construction rust grade -A

Previously Painted-Degree of Corrosion: Surface

Photo Description: As received.

Photo Description: As received

Photo Description: As received

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CONTRACT REQUIREMENTS / APPLICABLE STANDARDS SPECIFIED

Job Specifications Only: N/A

Specified Surface Profile: 1.00 - 3.00 Mils

Average Surface Profile: 3.19 Mils

Profile Accomplished By: Gage (type)

Specified Coating Thickness Range Required:

SSPC: Yes: SSPC-SP 10 Near-White Metal Blast Cleaning

NACE: N/A

ASTM: N/A

ISO: N/A

AWWA: N/A

Other: N/A

Thickness: 2.00 - 3.00 Mils, Carboline Carbozinc 11

Thickness: 4.00 - 6.00 Mils, Carboline carboguard 890

Thickness: 2.00 - 3.00 Mils, Carboline carbothane 134 HG

OBSERVED DEFECTS

Oil and Grease: No

Weld Spatter: No

Contamination Tested: N/A

SO4 (Sulfate): N/A

Moisture: No

Sharp Edges: No

CL: N/A

CSN: N/A

Nitrates: N/A

Photo Description: ISO 8502-6, -9 Total salt test kit

Photo Description: ISO 8502-6, -9 Total salt test Pure deionized water base reading. 8.4 microS/cm = 8.4 mg/m^2

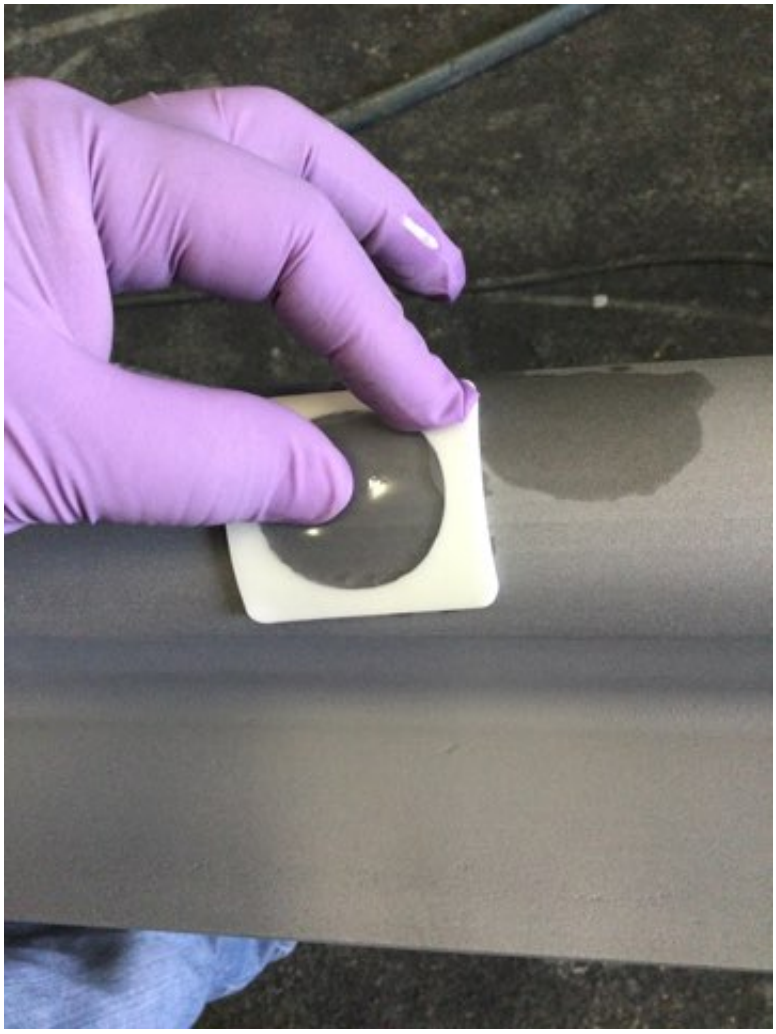

Photo Description: ISO 8502-6, -9 Total salt test Bresle patch application

Photo Description: ISO 8502-6, -9 Total salt test

Contaminated deionized water
10.9 microS/cm = 10.9 mg/m^2

Test result 10.9-8.4=2.5 mg/m^2

2.5 mg/m^2 < 10mg/m^2

PASS

Photo Description: Compressed air cleanliness test.

Blotter test per

ASTM D4285, 2012

PASS

ENVIRONMENTAL CONDITIONS

READING 1

Description: Grit blasting

Date / Time: 03/15/2021, 2:30 PM CDT

Air Temp: 80.00°F

Wet Bulb Temp: N/A

Relative Humidity: 72.8%

Dew Point: 70.5°F

Surface Temp: 76.80°F

Delta: 6.3°F

Wind Direction: N/A

Wind Speed: N/A

READING 2

Description: Zinc primer

Date / Time: 03/15/2021, 5:30 PM CDT

Air Temp: 80.10°F

Wet Bulb Temp: N/A

Relative Humidity: 73.1%

Dew Point: 70.7°F

Surface Temp: 78.40°F

Delta: 7.7°F

Wind Direction: N/A

Wind Speed: N/A

READING 3

Description: Epoxy coating

Date / Time: 03/16/2021, 2:00 PM CDT

Air Temp: 79.90°F	**Wet Bulb Temp:** N/A	**Relative Humidity:** 75.2%	**Dew Point:** 71.3°F
Surface Temp: 79.50°F	**Delta:** 8.2°F	**Wind Direction:** N/A	**Wind Speed:** N/A

READING 4

Description: Top coating

Date / Time: 03/17/2021, 1:00 PM CDT

Air Temp: 79.10°F	**Wet Bulb Temp:** N/A	**Relative Humidity:** 60.1%	**Dew Point:** 64.1°F
Surface Temp: 72.80°F	**Delta:** 8.7°F	**Wind Direction:** N/A	**Wind Speed:** N/A

Photo Description: Immediately before grit blasting

Photo Description: Immediately before zinc primer coating

Photo Description: Immediately before Epoxy coating

Photo Description: Immediately before polyurethane top coating

HOLD POINT INSPECTIONS PERFORMED

Pre-Surface Prep/Condition and Cleanliness: Yes

Post-Surface Prep/Condition and Profile: Yes

Application Monitoring/WFT/Mist Coat: Yes

Post-Cure/DFT/Visual Coverage: Yes

Final Inspection: Yes

Surface Prep Monitoring: Yes

Pre-Application Prep/Surface Cleanliness: Yes

Post-Application/Application Deficiencies: Yes

Nonconformances/Corrective Action Follow-up: N/A

Lighting/Inspections min. 50 ft. Candles: N/A

SURFACE PREPARATION

Start Date/Time: 03/15/2021, 2:30 PM CDT

Stop Date/Time: 03/15/2021, 4:30 PM CDT

Area Prepared: N/A

DFT gage calibrated on: NIST Thickness Standard

Solvent Clean: N/A

Solvent Used: N/A

Abrasive Blast: Yes

Abrasive Used: 3/4 Grit Blast media

Blast Hose Size: N/A

Air Supply: 750

Blast Nozzle Pressure: N/A

Multiple Compressors Used: N/A

Nozzle Size: N/A

Compressed Air Cleanliness: N/A

Hand Tool: N/A

Hand Tool Types: N/A

Power Tool: N/A

Power Tool Types: N/A

Low Pressure Wash: N/A

Degree Cleanliness: SP10/NACE 2 Near-White Metal Blast Cleaning

HP Water Wash: N/A

Substrate Exposed: N/A

Lighting Conditions Surface Prep within 10-20 Ft. Candles: N/A

BMR: N/A

# of Candles: N/A

SPG

Readings (Mils)	Total (Mils)	Average (Mils)
1.90, 2.80, 3.80	8.50	2.83
3.20, 3.40, 4.10	10.70	3.57
3.30, 3.20, 2.60	9.10	3.03
3.60, 3.20, 3.00	9.80	3.27
4.40, 2.10, 2.40	8.90	2.97
3.30, 4.00, 3.10	10.40	3.47
	57.40	**3.19**

PAINTED SURFACE CONDITION

Painted Surface Condition: Bare Surface To Be Coated

Dry To: Cure

Coats Being Applied: Prime, Intermediate, Top

Photo Description: Grit blasted Surface profile measurement

Photo Description: Grit blasted Surface visual comparison to SSPC -VIS 1 guide SP10 cleaning

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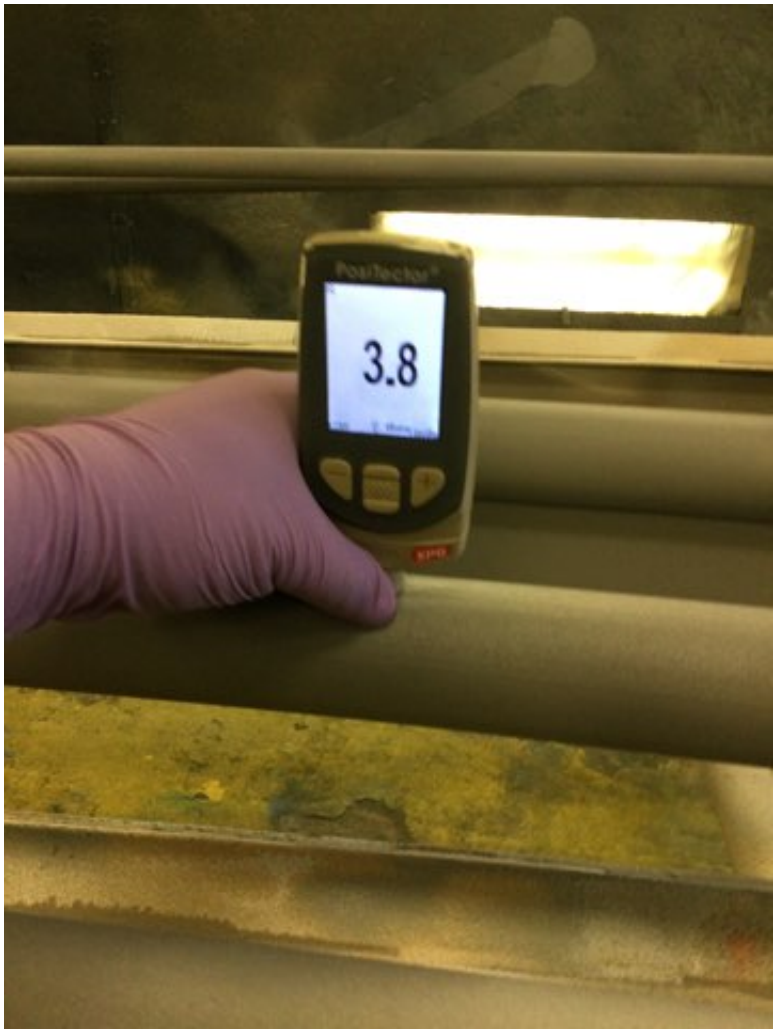

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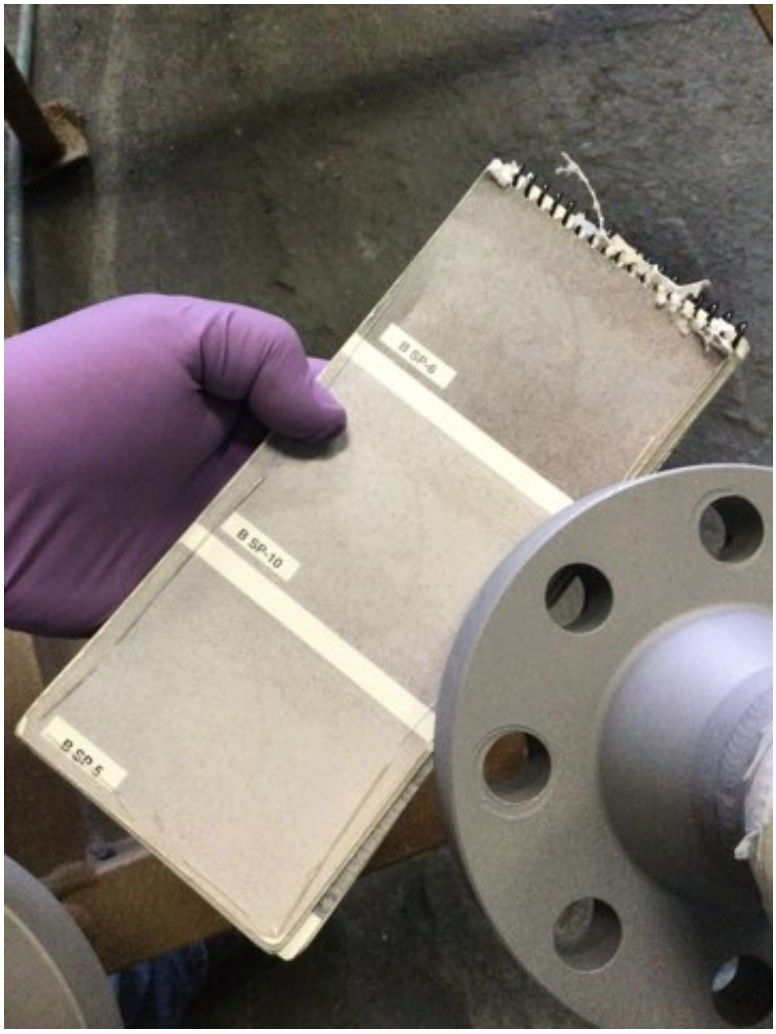

Photo Description: Grit blasted Surface visual comparison to SSPC -VIS 1 guide SP10 cleaning

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Photo Description: Grit blasted

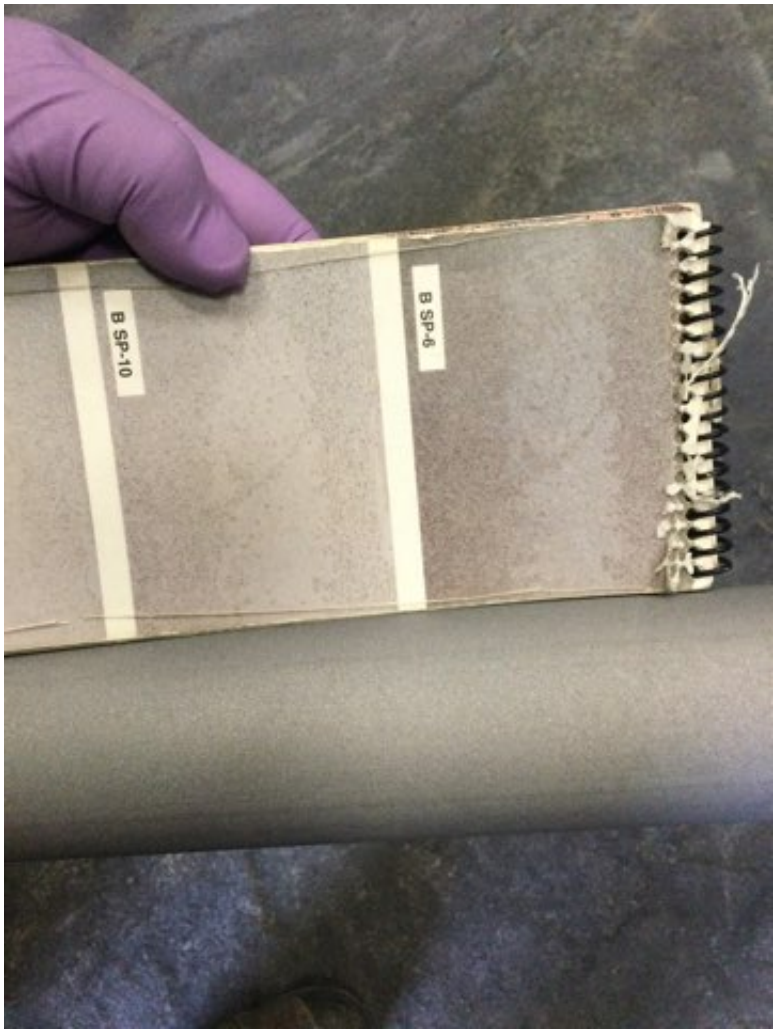

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Photo Description: Grit blasted Surface profile measurement

Photo Description: Grit blasted Surface visual comparison to SSPC -VIS 1 guide SP10 cleaning

Photo Description: Grit blasted Surface profile measurement

Photo Description: Grit blast closeup

Photo Description: N/A

Photo Description: Grit blasted Surface visual comparison to SSPC -VIS 1 guide SP10 cleaning

Photo Description: Grit blasted

Photo Description: Grit blasted Surface profile measurement

PRODUCT / MIXING

PRODUCT / MIXING 1

Coating Product Type: Zinc rich primer

Manufacturer: Carboline

Catalog No. / Name: Carbozinc 11

Color: Green

Batch # Part A: 20LD5333L

Batch # Part B: 20MD8702Z

Batch # Part C: N/A

Batch # Part D: N/A

Material Temperature: N/A

Date / Time Mixed: N/A

Kit Size: N/A

Caulk Applied (tubes): N/A

Type of Thinner Added: N/A

Thinner Batch #: N/A

Percentage Thinner Added: N/A

Mixing Method: N/A

Sweat-In Time: N/A

Duration of Sweat-In Time: N/A

Pot Life: N/A

Start Application: N/A

Stop Application: N/A

Application Equipment Used: N/A

Quantity Mixed / Applied: N/A

Spray Tip Size: N/A

Approximate Coverage by Coating Applied: N/A

Lighting Conditions During Application 20-50 Ft. Candles: N/A

Number of Ft. Candles: N/A

PRODUCT / MIXING 2

Coating Product Type: Epoxy coating

Manufacturer: Carboline

Catalog No. / Name: Carboguard 890

Color: Buff

Batch # Part A: A20KD0189N

Batch # Part B: 19CD1945L

Batch # Part C: N/A

Batch # Part D: N/A

Material Temperature: N/A

Date / Time Mixed: N/A

Kit Size: N/A

Caulk Applied (tubes): N/A

Type of Thinner Added: N/A

Thinner Batch #: N/A

Percentage Thinner Added: N/A

Mixing Method: N/A

Sweat-In Time: N/A

Duration of Sweat-In Time: N/A

Pot Life: N/A

Start Application: N/A

Stop Application: N/A

Application Equipment Used: N/A

Quantity Mixed / Applied: N/A

Spray Tip Size: N/A

Approximate Coverage by Coating Applied: N/A

Lighting Conditions During Application 20-50 Ft. Candles: N/A

Number of Ft. Candles: N/A

PRODUCT / MIXING 3

Coating Product Type: Polyurethane top coat

Manufacturer: Carboline

Catalog No. / Name: Carbothane 134HG

Color: Grey A732

Batch # Part A: 20KR0152N

Batch # Part B: 21BF8885B

Batch # Part C: N/A

Batch # Part D: N/A

Material Temperature: N/A

Date / Time Mixed: N/A

Kit Size: N/A

Caulk Applied (tubes): N/A

Type of Thinner Added: N/A

Thinner Batch #: N/A

Percentage Thinner Added: N/A

Mixing Method: N/A

Sweat-In Time: N/A

Duration of Sweat-In Time: N/A

Pot Life: N/A

Start Application: N/A

Stop Application: N/A

Application Equipment Used: N/A

Quantity Mixed / Applied: N/A

Spray Tip Size: N/A

Approximate Coverage by Coating Applied: N/A

Lighting Conditions During Application 20-50 Ft. Candles: N/A

Number of Ft. Candles: N/A

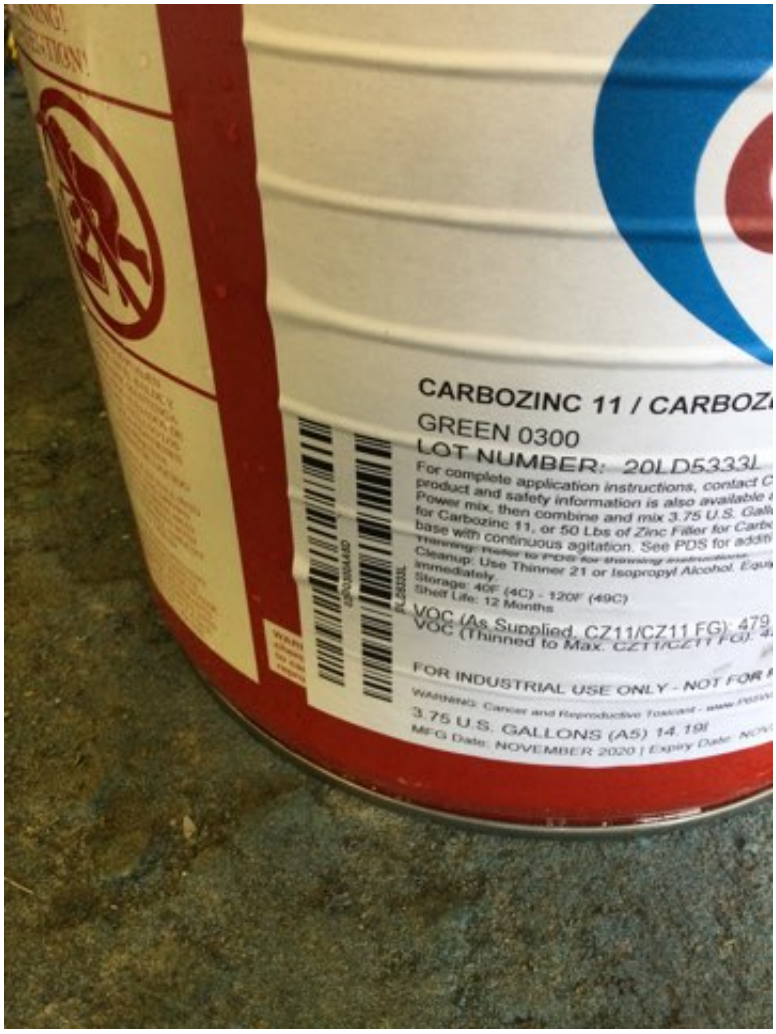

Photo Description: Carbozinc 11 part A

Photo Description: Carbozinc 11 part B batch

Photo Description: Carbozinc 11 part B

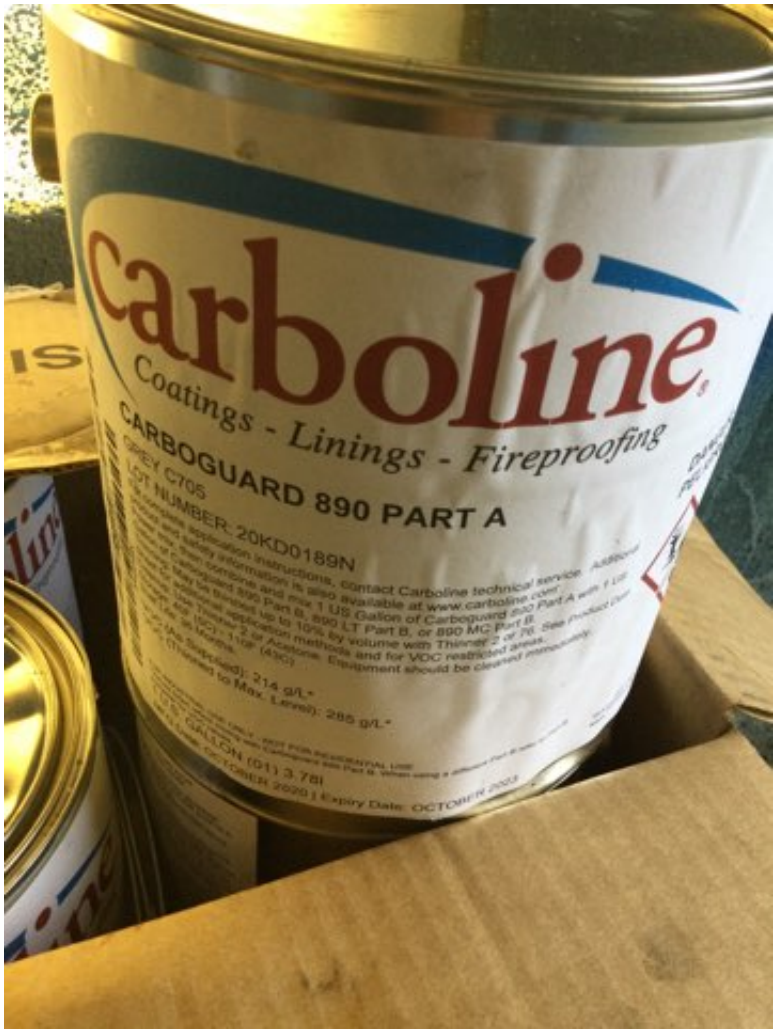

Photo Description: Carboguard 890 part A

Photo Description: Carboguard 890 part B

Photo Description: Carbothane 134HG part A

Photo Description: Carbothane 134HG part A

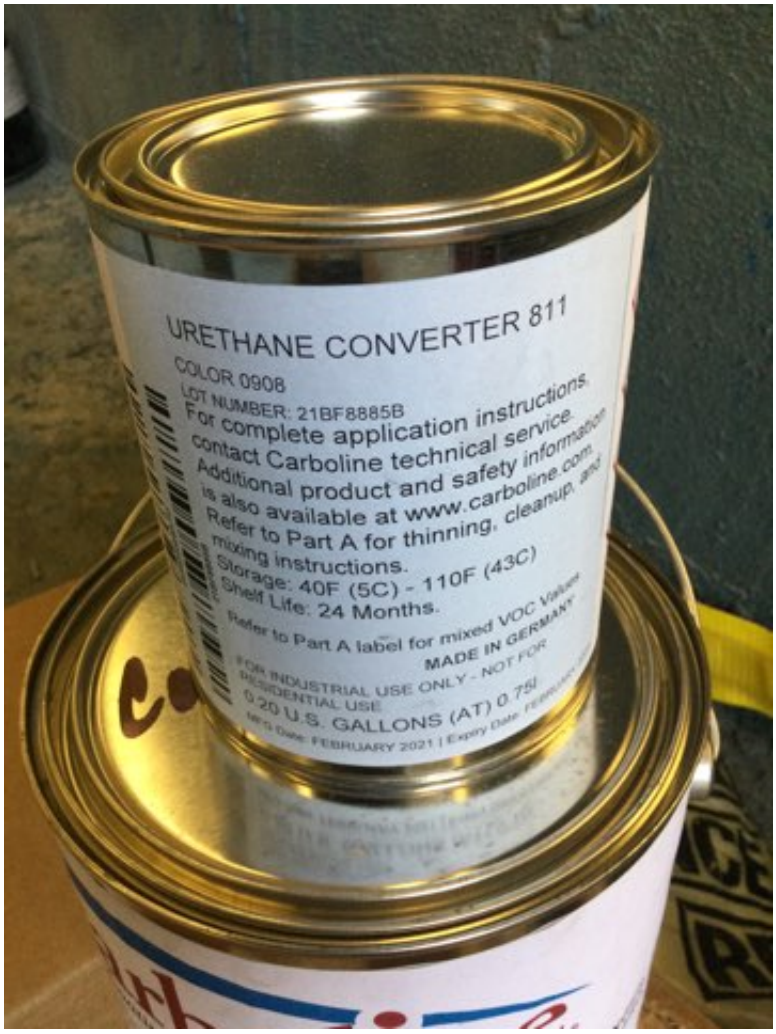

Photo Description: Carbothane 134HG part B

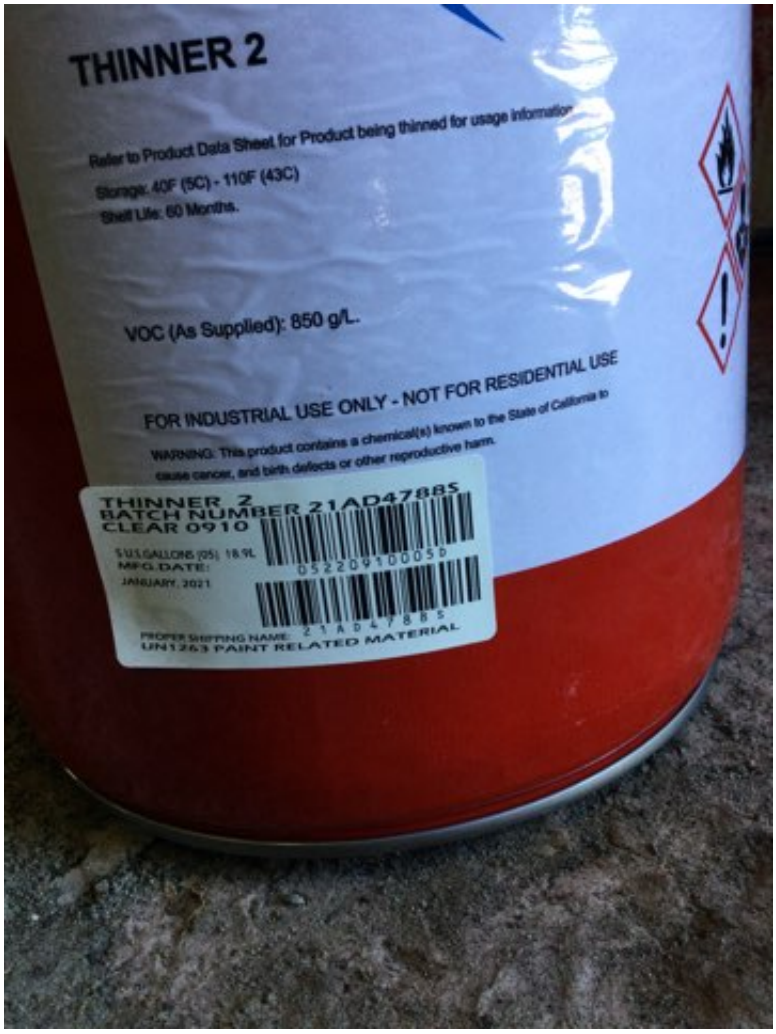

Photo Description: Thinner # 2

Photo Description: Thinner # 33

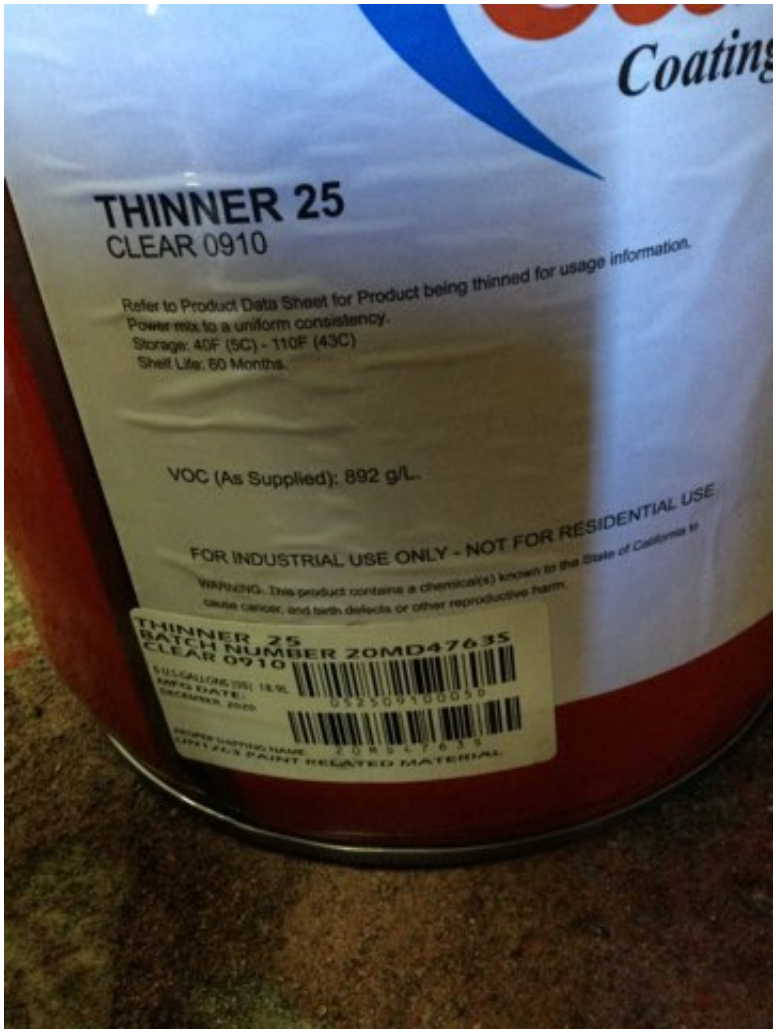

Photo Description: Thinner # 25

WET / DRY FILM THICKNESS

MIX 1

Coating: Carboline Carbozinc 11

Application Date: 03/15/2021, CDT

Specified (Mils): 2.00 - 3.00

Description: Zinc rich primer

Location: Exterior only

Application Time: 5:30 PM CDT

Range Achieved (Mils): 2.10 - 4.20

Approximate Area: N/A

Area	Spot Reading 1	Spot Reading 2	Spot Reading 3	Total	Average
Area 1	3.20	4.00	2.50	9.7	3.23
	4.20	3.00	4.20	11.4	3.8
	3.80	2.10	3.50	9.4	3.13
	4.10	3.00	3.50	10.6	3.53
	4.10	3.00	3.50	10.6	3.53
			Total	51.7	3.45
Area 2	4.20	2.80	3.60	10.6	3.53
	2.80	2.20	3.20	8.2	2.73
	3.10	2.50	2.40	8	2.67
	3.10	2.80	3.40	9.3	3.1
	2.70	3.00	2.10	7.8	2.6
			Total	43.9	2.93
Total				**95.6**	**3.19**

MIX 2

Coating: Epoxy

Location: Exterior

Application Date: 03/16/2021, CDT

Application Time: 2:00 PM CDT

Approximate Area: N/A

Specified (Mils): 4.00 - 6.00

Description: Epoxy intermediate coat

Range Achieved (Mils): 5.80 - 10.60

Area	Spot Reading 1	Spot Reading 2	Spot Reading 3	Total	Average
Area 1	8.20	5.80	9.10	23.1	7.7
	8.90	6.40	9.60	24.9	8.3
	7.00	9.10	8.10	24.2	8.07
	7.20	9.00	7.00	23.2	7.73
	6.90	9.30	8.60	24.8	8.27
			Total	120.2	8.01
Area 2	6.90	7.50	8.20	22.6	7.53
	9.10	7.10	9.40	25.6	8.53
	10.30	10.60	7.20	28.1	9.37
	8.40	9.30	8.80	26.5	8.83
	8.30	8.70	7.90	24.9	8.3
			Total	127.7	8.51
Total				**247.9**	**8.26**

MIX 3

Coating: Polyurethane top coat

Application Date: 03/17/2021, CDT

Specified (Mils): 2.00 - 3.00

Location: Exterior

Application Time: 1:00 PM CDT

Description: Polyurethane top coat

Approximate Area: N/A

Range Achieved (Mils): 8.90 - 14.10

Area	Spot Reading 1	Spot Reading 2	Spot Reading 3	Total	Average
Area 1	9.00	8.90	12.60	30.5	10.17
	12.90	12.00	13.40	38.3	12.77
	13.60	11.50	11.60	36.7	12.23
	12.60	11.10	10.70	34.4	11.47
	9.30	12.30	14.10	35.7	11.9
			Total	175.6	11.71
Area 2	10.20	11.00	12.90	34.1	11.37
	11.40	12.40	11.60	35.4	11.8
	11.50	12.40	9.80	33.7	11.23
	11.30	12.80	12.80	36.9	12.3
	10.90	10.20	11.60	32.7	10.9
			Total	172.8	11.52
Total				**348.4**	**11.61**

Photo Description: Zinc coating dry film measurement

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Photo Description: Zinc coating dry film measurement

Photo Description: Zinc coating

Photo Description: Zinc coating dry film measurement

Photo Description: Zinc coating dry film measurement

Photo Description: Zinc coated

Photo Description: Epoxy dry film thickness measurement

Photo Description: Epoxy dry film thickness measurement

Photo Description: Epoxy dry film thickness measurement

Photo Description: Epoxy dry film thickness measurement

Photo Description: Epoxy coated

Photo Description: Epoxy dry film thickness measurement

Photo Description: Epoxy coated

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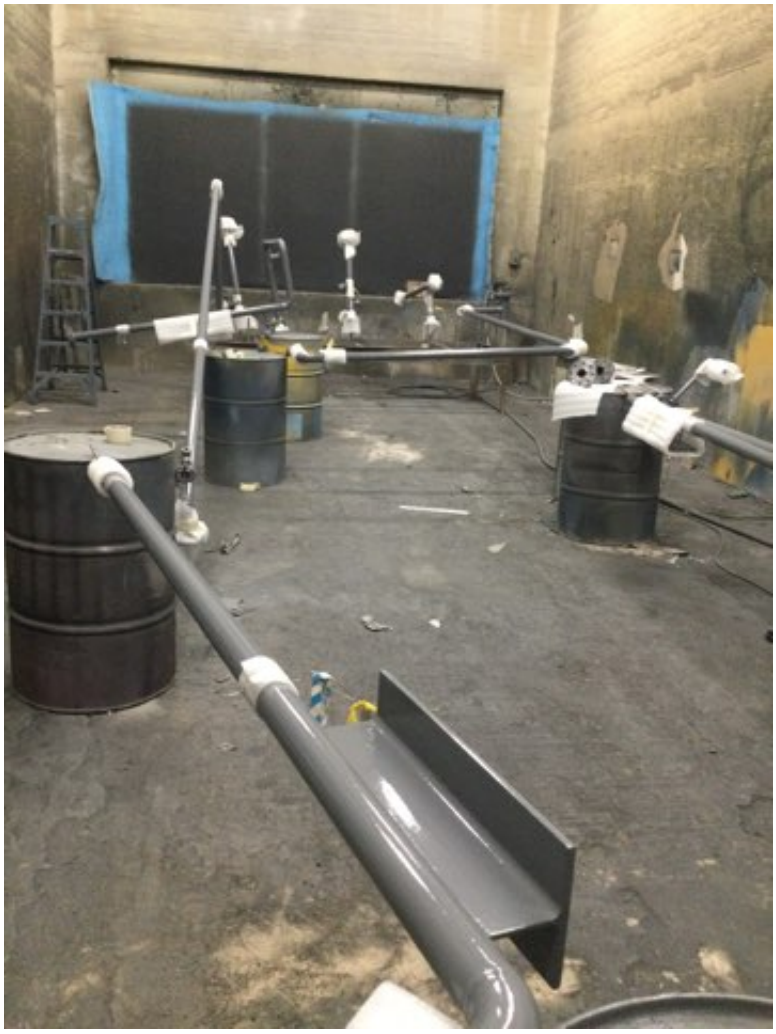

Photo Description: Grey top coat coated

Photo Description: Grey top coated

Photo Description: Polyurethane dry film thickness measurement

Photo Description: Polyurethane dry film thickness measurement

Photo Description: Top coated

Photo Description: Polyurethane dry film thickness measurement

Photo Description: Polyurethane dry film thickness measurement

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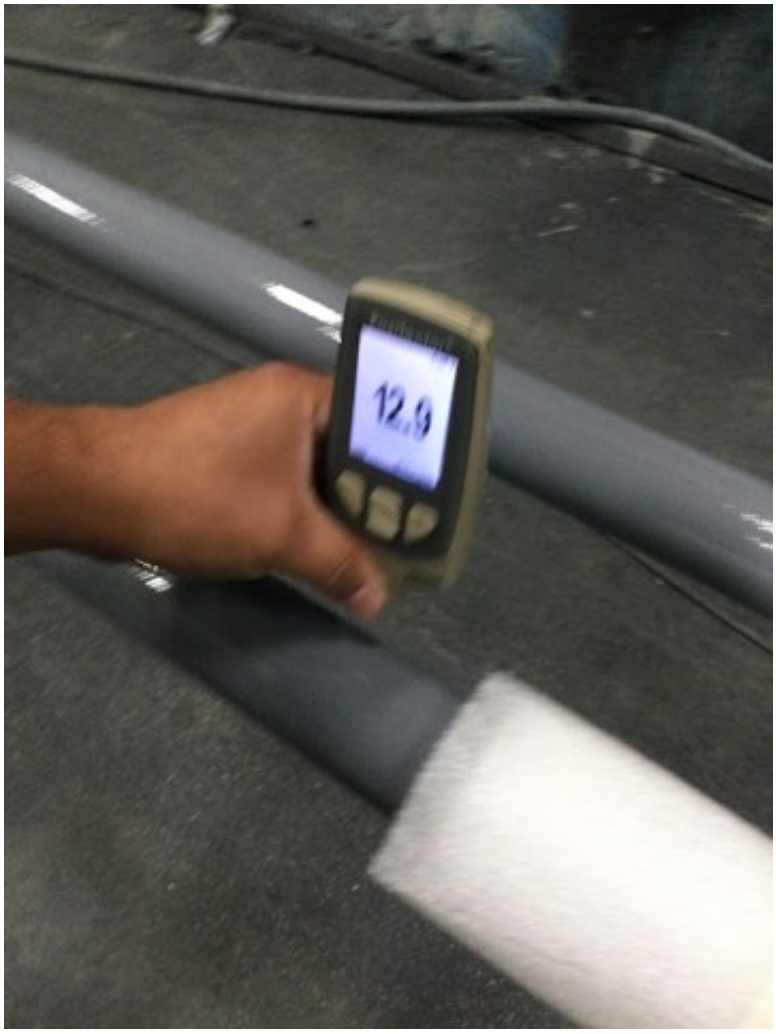

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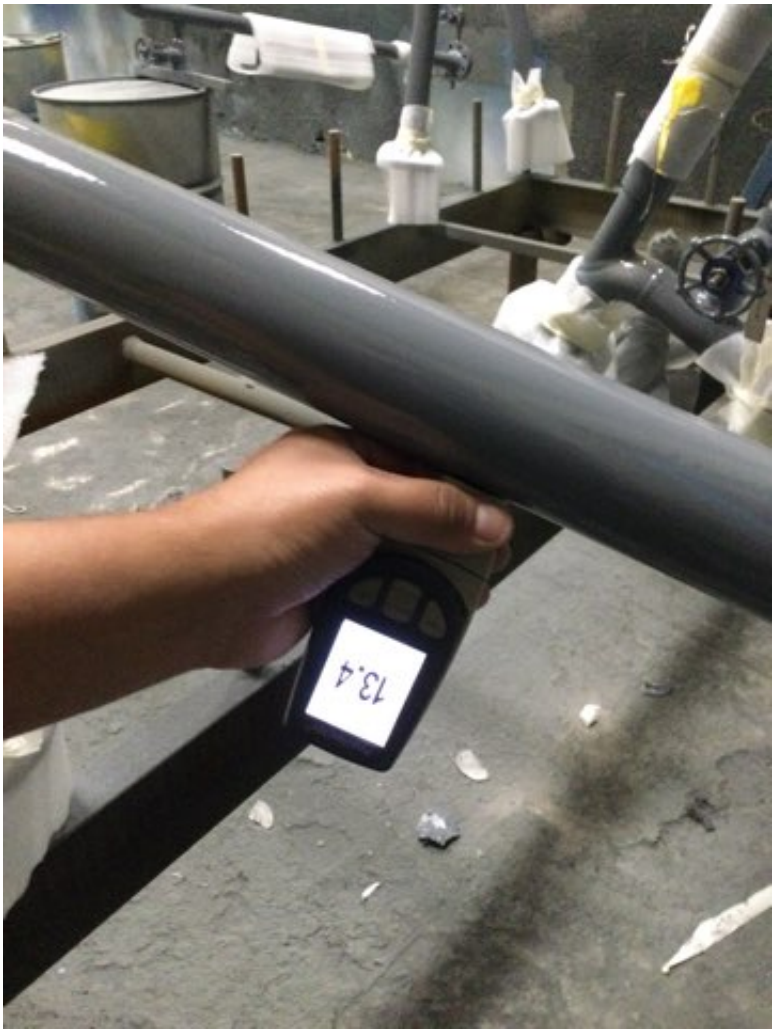

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Photo Description: Top coated

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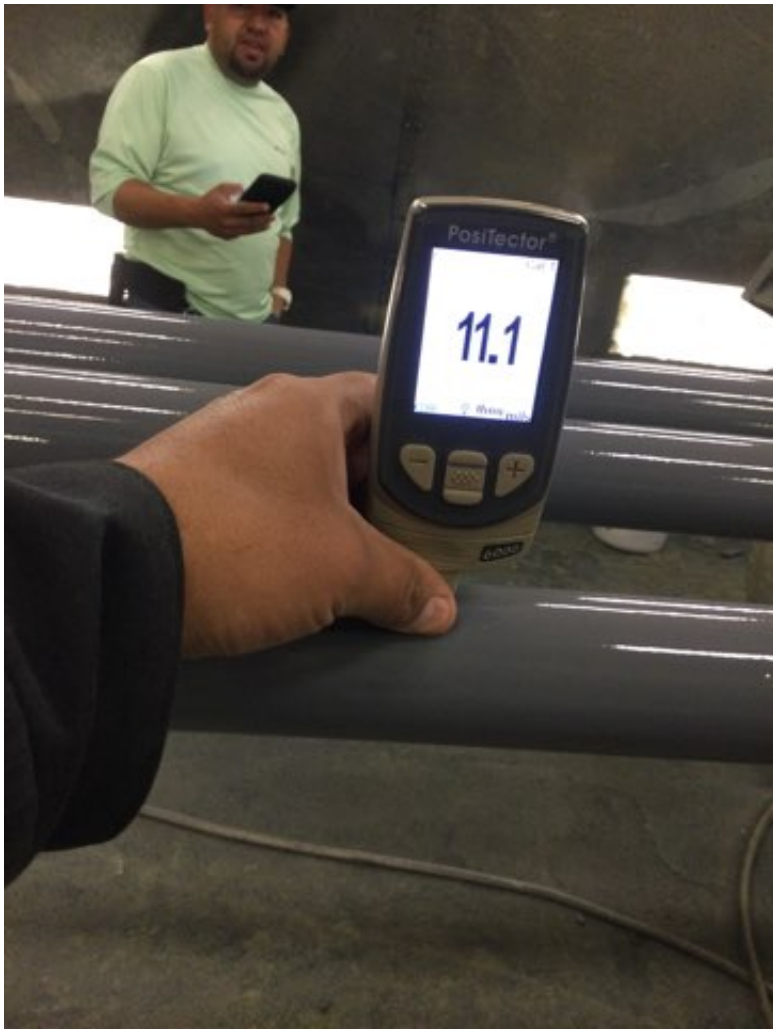

Photo Description: Polyurethane dry film thickness measurement

Photo Description: Polyurethane dry film thickness measurement

INSTRUMENT HISTORY SHEET

INSTRUMENT 1

Instrument Type: Mil Gage	**Instrument Brand:** DeFelsko	**Remarks Codes:** N/A	**Completed By:** Art Medina
Serial Number: 285369	**Instrument Model:** Positector 6000	**Calibration Due:** 04/06/2021, CDT	**Comments:** Verified 3/15/21

INSPECTOR REMARKS AND SIGNATURES

Remarks:

Coated with self-cured Inorganic Zinc , Epoxy Intermediate & Aliphatic Polyurethane three coat system in accordance with COM-SU-5191-D.1 (October 2018) system 3.1

Name: QC Manager
Type: Quality Control Manager
Date: 03/20/2021, 9:30 AM
CDT

DAILY INSPECTION REPORT APPROVED SIGNATURE

Name: QC Manager
Date: 03/22/2021, 5:02 PM CDT

DeFelsko®

DeFelsko Corporation
800 Proctor Avenue
Ogdensburg, New York 13669-2205 USA

Certificate of Calibration

Certificate Number: 19-596201

Nomenclature: Coating Thickness Instrument
Manufacturer: DeFelsko Corporation
Model: PosiTector 6000 F Probe
Probe Serial No: 285369
Note: Probe serial # on connector

Laboratory Environment
Temperature: 23 ± 5°C
Relative Humidity: Up to 95%

Date of Calibration: November 22, 2019

Date in Service†: 4-6-2020
To be completed by the end user, in ink

Test Method: This coating thickness instrument was calibrated to manufacturer's specifications according to procedure MP 2530 using Certified Thickness Standards traceable to PTB through certificates 40151 PTB 11, 74055 PTB 15, 74056 PTB 15, 02759052 D-K-15105 2016-11 and 0591 D-K-19342 2016-11.

Thickness Standard Serial #	Min	Standard Thickness * (microns)	Max	Instrument Reading (microns)
31443F	69.65	72.37	75.09	72
23572F	243.97	248.45	252.93	246
29010F	1472.18	1489.07	1505.96	1486

*Maximum uncertainty ± 0.43 microns

Calibration Performed by: Charles Pothier

Technician

DeFelsko Corporation operates under Management Procedures intended to implement the requirements of ISO 9001, ISO 10012-1, ISO 17025 and ANSI/NCSL Z540-1. This document certifies that the instrument met published specifications of:

0-50 microns ± (1.0 microns + 1% of reading)
>50 microns ± (2.0 microns + 1% of reading)

†There are no components in this product which have a specific shelf life. Therefore, the calibration interval of this instrument begins on the date that the product is first put into service by the end user. Calibration interval will vary based on usage, handling and storage conditions.