

November 14, 2025

Clarke Colors, LLC  
331 Somerset Ln, Ste 77  
Marietta, GA 30067



Attn: Murray Clarke

**Test Results of ASTM C979 Pigments for Integrally Colored Concrete**

**Product Tested: BK555**

**AET Project No. P-0048600**

Dear Mr. Clarke:

Attached are the referenced test results. Samples of a concrete pigment which arrived at American Engineering Testing, Inc. (AET) between July and August 2024 were submitted for testing purposes. The samples were identified as "BK555". For testing of the submitted pigment in concrete, AET supplied a commercially available white portland cement.

At your request, testing of the submitted samples was conducted in accordance with ASTM C979/C979M – 16, "Standard Specification for Pigments for Integrally Colored Concrete." Test results of BK555 indicate the product meets the requirements of ASTM C979, Sections 8.1 through 8.4 for water wettability, alkali resistance, percentage of SO<sub>3</sub> and water solubility. Test results of concrete made with 5% and 10% of BK555 meet the requirements of ASTM C979, Section 8.7 effects on concrete.

The remainder of the submitted samples and tested specimens will be retained for a period of thirty days from the date of this report. Unless written instructions are received by that time, the samples will be discarded. The test results represent specifically the samples tested and methods specified.

For further information, please contact me at the number listed below.

Sincerely,

**American Engineering Testing**  
**An AASHTO Accredited Laboratory – Aggregates, Cement & Concrete**

Report Prepared by:

Handwritten signature of Lucas Kaari in black ink.

---

Lucas Kaari  
Engineer I  
Concrete Materials Laboratories  
Phone: 651-659-1373  
Email: lkaari@teamAET.com

Report Reviewed by:

Handwritten signature of Patrick Barnhouse in black ink.

---

Patrick Barnhouse, PE  
Manager  
Concrete Materials Laboratories  
Phone: 651-999-1772  
Email: pbarnhouse@teamAET.com

Clarke Colors, LLC  
**ASTM C979 Testing of BK555**  
November 14, 2025  
AET Project No. P-0048600



# Attachment A

---

Summary of Test Results



Client: Clarke Color, LLC  
 Project: BK555 Testing  
 Contact: Murray Clarke

AET Project No: P-0048600  
 AET Project Mgr.: Lucas Kaari  
 Approved: Patrick Barnhouse  
 Report Date: November 14, 2025

Date Received: Between July and August 2024

**SUMMARY OF TEST RESULTS FOR ASTM C979**  
**Product Tested: BK555**

	Result		ASTM C979 Requirements
	Wettable	Water Wettable	
Section 8.1 Water Wettability	Resistant, No Significant Change	No Visual Color Change	
Section 8.2 Alkali Resistance	0.9%	< 5.0% mass of original sample	
Section 8.3 Percentage of SO <sub>3</sub>	1.8%	< 2.0% mass of original sample	

Section 8.5 Atmospheric Curing Stability	Control (No Pigment)		6% Pigment		ASTM C979 Requirements
	1/2% Pigment	1.719	1/2% Pigment	6% Pigment	
Low RH ΔE	0.546	1.719	1.238	1.238	--
High RH ΔE	1.442	0.375	0.815	0.815	--

Section 8.6 Light Resistance	ΔE	0.673	0.862	0.099	--

**Notes:**

- The test results represent the specimens tested and the methods specified.



Client: Clarke Colors, LLC  
 Project: BK555 Testing  
 Contact: Mr. Murray Clarke  
 Date Received: Between July and August 2024

AET Project No: P-0048600  
 AET Project Mgr.: Lucas Kaari  
 Approved: Patrick Barnhouse  
 Report Date: November 14, 2025

**SUMMARY OF TEST RESULTS FOR ASTM C979**

Product Tested: BK555

	Control (No Pigment)	5% Pigment	10% Pigment	ASTM C979 Requirements
<b>Section 8.7 Effects on Concrete</b>				
Water-to-Cement Ratio	0.55	0.56	0.52	
Water-to-Cement Ratio, Relative to Control	--	102%	95%	≤ 110%
Slump, inches	3.75	3.75	3.75	4.00 ± 0.50
Air Content, %	5.7	5.4	5.5	± 1.0% of control
Initial Time of Setting, minutes	270	272	263	
Final Time of Setting, minutes	382	375	363	
Initial Set Relative to Control, minutes	--	+2	-7	Acceleration ≤ 1.0 hr and Retardation ≤ 1.5 hr
Final Set Relative to Control, minutes	--	-7	-19	
7-day Average Compressive Strength, psi	3,840	4,260	4,250	
28-day Average Compressive Strength, psi	5,030	5,290	5,270	
7-day Strength Relative to Control, %	--	110.9%	110.7%	
28-day Strength Relative to Control, %	--	105.2%	104.8%	≥ 90%

**Notes:**

1. The test results represent the specimens tested and the methods specified.

Clarke Colors, LLC  
**ASTM C979 Testing of BK555**  
November 14, 2025  
AET Project No. P-0048600



# **Attachment B**

---

Test Results of ASTM C979:

Section 8.1, Water Wettability  
Section 8.2, Alkali Resistance  
Section 8.3, Percentage of SO<sub>3</sub>  
Section 8.4, Water Solubility



# REPORT OF CHEMICAL ANALYSIS

**Project:**  
BK555 ASTM C979 Testing

**Reported To:**  
Clarke Colors  
331 Somerset Ln, Ste 77  
Marietta, GA 30067

**AET Project No.:** P-0048600

**Attn:** Murray Clarke  
**Revised:** November 14, 2025

---

## INTRODUCTION

This report presents the results of laboratory work performed by our firm on one (1) pigment sample identified in the table below. Our laboratory received the sample on July 1, 2024. The scope of our work was limited to documenting the following general requirements in accordance with ASTM C979-16, "Standard Specification for Pigments for Integrally Colored Concrete" Sections 8.1, 8.2, 8.3, and 8.4:

- Water Wettability
- Alkali Resistance
- Total Sulfates – Calculated as  $\text{SO}_3$
- Water Solubility

## SAMPLE IDENTIFICATION

<u>Sample Identification</u>	<u>Description</u>
BK555	Manganese Ferrite Black Oxide



## TEST RESULTS

<u>Sample ID</u>	<u>Water Wettability</u>	<u>Alkali Resistance</u>	<u>Total Sulfate as SO<sub>3</sub> by Mass of Sample, %</u>	<u>Water Solubility by Mass of Sample, %</u>
BK555	Wettable	Resistant; no significant color change.	0.9	1.8

## TEST PROCEDURES

“Water Wettability” was determined in accordance with ASTM C979, “Standard Specification for Pigments for Integrally Colored Concrete,” Section 8.1.

“Alkali Resistance” was determined in accordance with ASTM C979, “Standard Specification for Pigments for Integrally Colored Concrete,” Section 8.2.

“Percentage of SO<sub>3</sub>” or total sulfate content was determined in accordance with ASTM D50, “Standard Test Methods for Chemical Analysis of Yellow, Orange, Red, and Brown Pigments Containing Iron and Manganese Procedure 16” as directed by ASTM C979, Section 8.3.

“Water Solubility” was determined in accordance with ASTM D1208, “Test Methods for Common Properties of Certain Pigments” as directed by ASTM C979, Section 8.4.

## REMARKS

The test sample(s) will be retained for a period of at least sixty days from the date of this report. Unless further instructions are received by that time, the sample(s) may be discarded. The test results relate only to the sample(s) tested. No warranty, expressed or implied, is made.

**American Engineering Testing**  
**An AASHTO Accredited Laboratory – Aggregates, Cement & Concrete**

A handwritten signature in black ink, appearing to read 'Cyler Hayes', written over a horizontal line.

Cyler Hayes  
Senior Chemist / Chemistry Lab Manager  
[chayes@teamAET.com](mailto:chayes@teamAET.com)  
Work: 651-603-6605

Clarke Colors, LLC  
**ASTM C979 Testing of BK555**  
November 14, 2025  
AET Project No. P-0048600



# Attachment C

---

Test Results of ASTM C979:

Section 8.5, Atmospheric Curing Stability  
Section 8.6, Light Resistance



**Client:** Clarke Colors, LLC  
**Project:** BK555 Testing  
**Contact:** Murray Clarke  
**Date Received:** Between July and August 2024

**AET Project No:** P-048600  
**AET Project Mgr.:** Lucas Kaari  
**Technicians:** MB, JL  
**Approved:** Patrick Barnhouse  
**Report Date:** November 14, 2025

**TEST RESULTS OF ASTM C979, PIGMENTS FOR INTEGRALLY COLORED CONCRETE, SECTION 8.5 ATMOSPHERIC CURING**  
**Product Tested: BK555, Low Humidity (At Least 50%)**

Test Specimen	Measurement 1			Measurement 2			Measurement 3			Average		ΔE	
	L*	a*	b*	L*	a*	b*	L*	a*	b*	L*	a*		b*
Control A (No Pigment)	83.12	0.12	4.29	83.60	0.17	4.51	83.61	0.04	4.25	83.44	0.11	4.35	1.719
Control B (No Pigment)	84.37	0.03	4.27	85.41	-0.09	3.80	85.58	-0.12	3.96	85.12	-0.06	4.01	
1/2 % - A	57.25	-1.46	-3.99	57.95	-1.53	-4.26	57.41	-1.49	-4.04	57.54	-1.49	-4.10	0.546
1/2 % - B	57.22	-1.47	-3.98	57.07	-1.48	-4.05	56.72	-1.44	-3.92	57.00	-1.46	-3.98	
6 % - A	30.39	-0.70	-3.04	31.54	-0.75	-3.26	31.24	-0.76	-3.27	31.06	-0.74	-3.19	1.238
6 % - B	32.21	-0.64	-2.64	32.04	-0.73	-3.06	32.57	-0.79	-3.18	32.27	-0.72	-2.96	

**Notes:**  
 1. Test specimens are 1/2 x 3 x 9-in. mortar coupons cast at AET on September 5, 2024.  
 2. One mortar coupon from each of the control, 1/2% and 6% specimens were cured in laboratory air maintained at 73.5 ± 3.5°F and not less than 50% relative humidity (RH). The remaining mortar coupons were cured in a moist room maintained at 73.5 ± 3.5°F. L\*a\*b\* color measurements were recorded after curing was complete.  
 3. The test results contained in this report represent specifically the samples tested and the method specified.



**Client:** Clarke Colors, LLC

**Project:** BK555 Testing

**Contact:** Murray Clarke

**Date Received:** Between July and August 2024

**AET Project No:** P-0048600

**AET Project Mgr.:** Lucas Kaari

**Technicians:** MB, JL

**Approved:** Patrick Barnhouse

**Report Date:** November 14, 2025

**TEST RESULTS OF ASTM C979, PIGMENTS FOR INTEGRALLY COLORED CONCRETE, SECTION 8.5 ATMOSPHERIC CURING**

**Product Tested: BK555, High Humidity (100%)**

Test Specimen	Measurement 1			Measurement 2			Measurement 3			Average			ΔE
	L*	a*	b*	L*	a*	b*	L*	a*	b*	L*	a*	b*	
Control A (No Pigment)	85.77	-0.04	3.03	85.88	-0.02	3.28	85.70	-0.05	3.29	85.78	-0.04	3.20	0.375
Control B (No Pigment)	85.19	0.00	3.56	85.71	0.07	3.68	85.93	0.01	3.34	85.61	0.03	3.53	
1/2 % - A	53.58	-1.72	-5.86	53.14	-1.78	-6.23	53.34	-1.77	-5.93	53.35	-1.76	-6.01	1.442
1/2 % - B	51.30	-1.70	-5.80	51.12	-1.68	-5.66	53.44	-1.70	-5.54	51.95	-1.69	-5.67	
6 % - A	31.01	-0.92	-4.58	30.59	-0.86	-4.67	30.07	-0.86	-4.66	30.56	-0.88	-4.64	0.815
6 % - B	30.09	-0.88	-4.54	29.14	-0.83	-4.61	30.00	-0.86	-4.60	29.74	-0.86	-4.58	

**Notes:**

1. Test specimens are 1/2 x 3 x 9-in. mortar coupons cast at AET on September 5, 2024.

2. One mortar coupon from each of the control, 1/2% and 6% specimens were cured in laboratory air maintained at 73.5 ± 3.5°F and not less than 50% relative humidity (RH). The remaining mortar coupons were cured in a moist room maintained at 73.5 ± 3.5°F. L\*a\*b\* color measurements were recorded after curing was complete.

3. The test results contained in this report represent specifically the samples tested and the method specified.



**Client:** Clarke Colors, LLC  
**Project:** BK555 Testing  
**Contact:** Murray Clarke  
**Received:** Between July and August 2024

**AET Project No:** P-0048600  
**AET Project Mgr.:** Lucas Kaari  
**Technicians:** MB, JL, ATS Labs  
**Approved:** Patrick Barnhouse  
**Report Date:** November 14, 2025

**TEST RESULTS OF ASTM C979, PIGMENTS FOR INTEGRALLY COLORED CONCRETE, SECTION 8.6 LIGHT RESISTANCE**  
**Product Tested: BK555**

Test Specimen	Light Exposure	Measurement 1			Measurement 2			Measurement 3			Average		ΔE	
		L*	a*	b*	L*	a*	b*	L*	a*	b*	L*	a*		b*
Control	Before	A 87.42	-0.36	3.28	87.74	-0.32	3.23	87.34	-0.35	3.12	87.60	-0.39	3.47	0.673
		B 87.48	-0.39	3.83	87.85	-0.49	3.68	87.77	-0.43	3.68				
10 Pigment)	After	A 88.31	-0.41	3.23	87.99	-0.4	3.13	87.96	-0.4	3.05	88.26	-0.44	3.37	0.862
		B 88.02	-0.43	3.72	88.60	-0.54	3.56	88.70	-0.47	3.51				
1/2 % - A	Before	A 53.57	-1.41	-4.49	53.25	-1.40	-4.49	53.97	-1.40	-4.48	55.69	-1.42	-4.46	0.862
		B 58.48	-1.45	-4.44	58.35	-1.42	-4.35	56.54	-1.46	-4.48				
6 % - A	After	A 54.08	-1.45	-4.91	54.08	-1.47	-4.91	54.72	-1.49	-4.96	56.43	-1.49	-4.90	0.099
		B 59.26	-1.52	-4.79	59.08	-1.48	-4.81	57.35	-1.51	-5.03				
6 % - A	Before	A 32.65	-0.80	-4.63	32.86	-0.82	-4.73	31.20	-0.81	-4.66	33.71	-0.80	-4.45	0.099
		B 35.21	-0.78	-4.14	35.77	-0.81	-4.26	34.58	-0.80	-4.26				
6 % - A	After	A 33.25	-0.87	-4.44	33.85	-0.82	-4.50	33.85	-0.88	-4.66	33.65	-0.84	-4.37	0.099
		B 32.46	-0.80	-4.11	34.92	-0.79	-4.08	33.59	-0.86	-4.45				

**Notes:**  
 Test specimens are 1/2 x 3 x 9-in. mortar coupons cast at AET on July 30, 2024.  
 L\*a\*b\* color measurements were recorded at AET prior to continuous light exposure (Xenon Arc Exposure) at 0.35 W/m<sup>2</sup> at 340nm using daylight-filters at 63°C BPT, 47°C AT, and 50% RH for 500 hours. Test specimens were shipped to Applied Technical Services in Marietta, GA for light exposure, then returned to AET for final L\*a\*b\* color measurements and ΔE computation.  
 The test results contained in this report represent specifically the samples tested and the method specified.

# Attachment D

---

## Test Results of ASTM C979:

### Section 8.7, Effects on Concrete

- Mixture Proportions with Plastic Properties
  - Time of Setting
  - Compressive Strength



**Client:** Clarke Color, LLC  
**Project:** BK555 Testing  
**Contact:** Murray Clarke  
**Date Received:** Between July and August 2024

**AET Project No:** P-0048600  
**AET Project Mgr.:** Lucas Kaari  
**Technicians:** DQ, KL, WS  
**Approved:** Patrick Barnhouse  
**Report Date:** November 14, 2025

**ASTM C979, SECTION 8.7, CONCRETE MIXTURE PROPORTIONS AND PLASTIC PROPERTIES**

	Concrete Mixture Proportions, per yd <sup>3</sup> , SSD			ASTM C979 Requirements
	Control (No Pigment)	5% Pigment	10% Pigment	
Control	517	517	517	≤ 10% by mass of cement 517 ± 5
Materials Tech Mix Type I White Portland Cement, lb	--	26	52	
ke Colors, LLC BK555 Pigment, lb	1,272	1,265	1,259	
in Marietta Sand, Elk River, WI, lb	1,766	1,749	1,741	
in Marietta #57 Granite, St. Cloud, MN, lb	286	290	270	
ible Water, City of St. Paul, MN, lb	1.2	1.2	1.1	
ter Builders Solutions MasterAir AE90 Air-Entraining Admixture, fl.oz./cwt	6.0	6.0	6.0	
Content, % (assumed)	0.55	0.56	0.52	
er-to-Cement ratio	--	101.4%	94.4%	
er-to-Cement ratio, relative to control				

Time: 7:56 AM      8:13 AM      8:31 AM

**crete Plastic Properties**

M C231, Air Content, %	5.7	5.4	5.5	± 1.0% of control 4.00 ± 0.50
M C143, Slump, inches	3.75	3.75	3.75	
M C138, Unit Weight, lb/ft <sup>3</sup>	146.2	145.2	145.2	
M C1064, Temperature, °F	67	67	67	

is concrete test specimens fabricated at AET on August 1, 2024 in a laboratory conforming to the requirements of ASTM C192. The results contained in this report represent specifically the samples used for batching concrete and the test methods specified.

**Client:** Clarke Colors, LLC  
**Project:** BK555 Testing  
**Contact:** Murray Clarke  
**Date Received:** Between July and August 2024

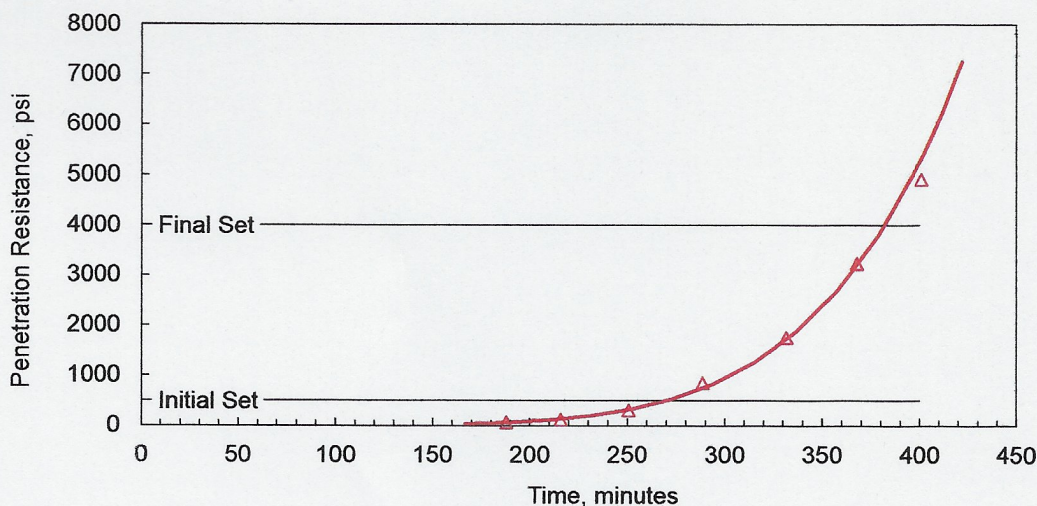
**AET Project No:** P-0048600  
**AET Project Mgr.:** Lucas Kaari  
**Technicians:** Devin Quinn  
**Approved:** Patrick Barnhouse  
**Report Date:** November 14, 2025

**TEST RESULTS OF ASTM C403,  
 STANDARD TEST METHOD OF TIME OF SETTING OF CONCRETE MIXTURES BY PENETRATION RESISTANCE**  
**Concrete Mix I.D.: Control (No Pigment)**

**Time of Casting:** 08/01/24 7:56 AM  
**Ambient Lab Temperature During Test:** 73°F  
**Ambient Lab Humidity During Test:** At least 50%  
**Mortar Temperature:** 67°F

Time	Elapsed Time, hr:min	Force, lbf	Ram Area, in <sup>2</sup>	Stress, lb/in <sup>2</sup>
11:04 AM	3:08	29	0.500	58
11:32 AM	3:36	60	0.500	120
12:07 PM	4:11	76	0.250	304
12:45 PM	4:49	85	0.100	850
1:28 PM	5:32	88	0.050	1760
2:04 PM	6:08	81	0.025	3240
2:37 PM	6:41	123	0.025	4920

Initial Set, hr:mm     **4:30**  
 Final Set, hr:mm     **6:22**



**Notes:**

- Concrete batched at AET in a laboratory conforming to the temperature requirements of ASTM C192 on August 1, 2024 using the constituent materials supplied by AET, submitted pigment samples and concrete mixture design as given in ASTM C979.
- The results contained in this report represent specifically the concrete sample tested and the method specified.

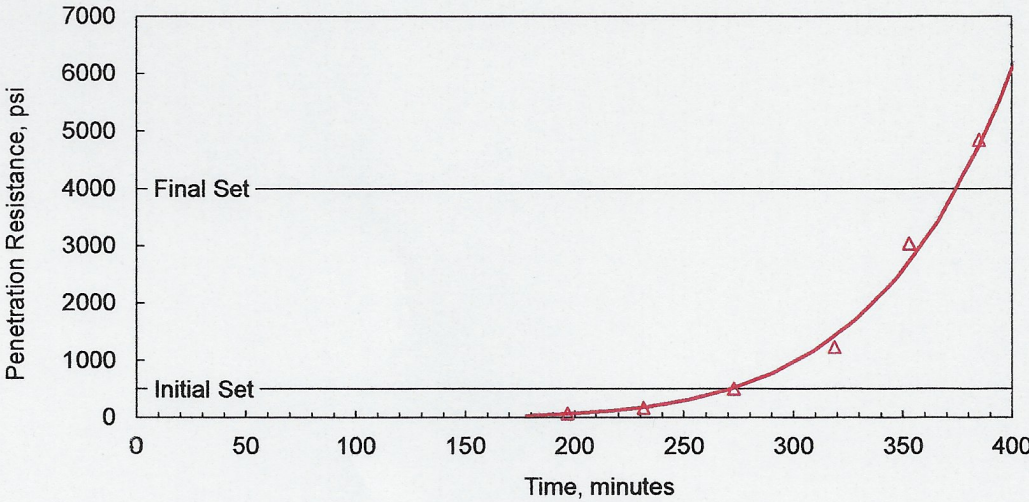
<b>Client:</b> Clarke Colors, LLC <b>Project:</b> BK555 Testing <b>Contact:</b> Muray Clarke <b>Date Received:</b> Between July and August 2024	<b>AET Project No:</b> P-004860 <b>AET Project Mgr.:</b> Lucas Kaari <b>Technicians:</b> Devin Quinn <b>Approved:</b> Patrick Barnhouse <b>Report Date:</b> November 14, 2025
--	---

**TEST RESULTS OF ASTM C403,  
 STANDARD TEST METHOD OF TIME OF SETTING OF CONCRETE MIXTURES BY PENETRATION RESISTANCE**  
**Concrete Mix I.D.: 5% Pigment**

<b>Time of Casting:</b> 08/01/24 8:13 AM <b>Ambient Lab Temperature During Test:</b> 73°F <b>Ambient Lab Humidity During Test:</b> At least 50% <b>Mortar Temperature:</b> 67°F
--

Time	Elapsed Time, hr:min	Force, lbf	Ram Area, in <sup>2</sup>	Stress, lb/in <sup>2</sup>
11:30 AM	3:17	34	0.500	68
12:05 PM	3:52	85	0.500	170
12:46 PM	4:33	125	0.250	500
1:32 PM	5:19	123	0.100	1230
2:06 PM	5:53	152	0.050	3040
2:38 PM	6:25	121	0.025	4840

Initial Set, hr:mm     **4:32**  
 Final Set, hr:mm     **6:15**



- Notes:
1. Concrete batched at AET in a laboratory conforming to the temperature requirements of ASTM C192 on August 1, 2024 using the constituent materials supplied by AET, submitted pigment samples and concrete mixture design as given in ASTM C979.
  2. The results contained in this report represent specifically the concrete sample tested and the method specified.

**Client:** Clarke Colors, LLC  
**Project:** BK555 Testing  
**Contact:** Murray Clarke  
**Date Received:** Between July and August 2024

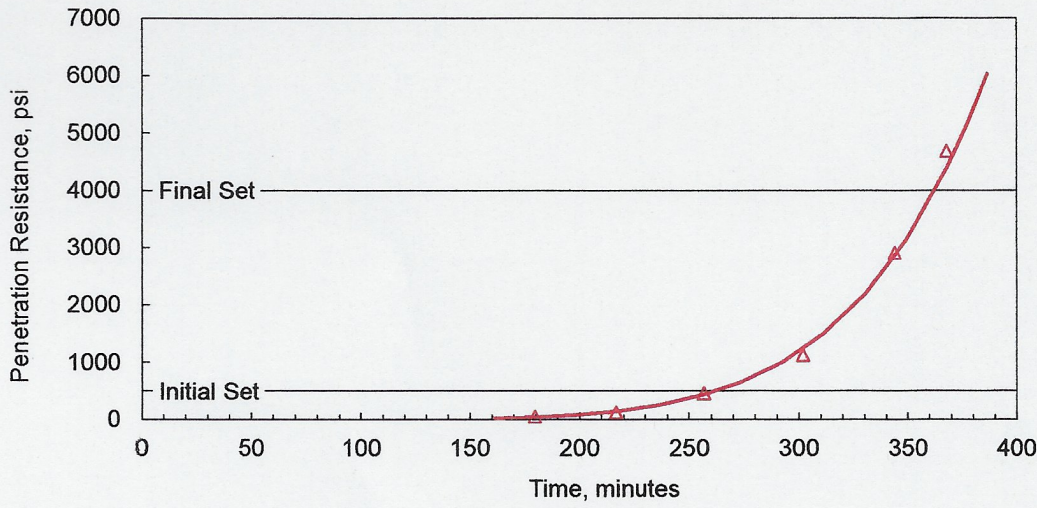
**AET Project No:** P-0048600  
**AET Project Mgr.:** Lucas Kaari  
**Technicians:** Devin Quinn  
**Approved:** Patrick Barnhouse  
**Report Date:** November 14, 2025

**TEST RESULTS OF ASTM C403,  
 STANDARD TEST METHOD OF TIME OF SETTING OF CONCRETE MIXTURES BY PENETRATION RESISTANCE  
 Concrete Mix I.D.: 10% Pigment**

**Time of Casting:** 08/01/24 8:31 AM  
**Ambient Lab Temperature During Test:** 73°F  
**Ambient Lab Humidity During Test:** At least 50%  
**Mortar Temperature:** 67°F

Time	Elapsed Time, hr:min	Force, lbf	Ram Area, in <sup>2</sup>	Stress, lb/in <sup>2</sup>
11:31 AM	3:00	25	0.500	50
12:08 PM	3:37	62	0.500	124
12:48 PM	4:17	114	0.250	456
1:33 PM	5:02	112	0.100	1120
2:15 PM	5:44	145	0.050	2900
2:39 PM	6:08	117	0.025	4680

Initial Set, hr:mm     **4:23**  
 Final Set, hr:mm       **6:03**



**Notes:**

- Concrete batched at AET in a laboratory conforming to the temperature requirements of ASTM C192 on August 1, 2024 using the constituent materials supplied by AET, submitted pigment samples and concrete mixture design as given in ASTM C979.
- The results contained in this report represent specifically the concrete sample tested and the method specified.

**Client:** Clarke Colors, LLC

**Project:** BK555Testing

**Contact:** Murray Clarke

**Date Received:** Between July and August 2024

**AET Project No:** P-0048600

**AET Project Mgr:** Lucas Kaari

**Technician:** Will Stefani

**Approved:** Patrick Barnhouse

**Report Date:** November 14, 2025

**Test Results of ASTM C39, Compressive Strength of Cylindrical Concrete Specimens**

Concrete Mix I.D.	Control (No Pigment)			5% Pigment			10% Pigment		
	7 days			7 days			7 days		
	1	2	3	1	2	3	1	2	3
Age at Test, days									
Cylinder No.									
Average Diameter, in.	4.00	4.00	4.00	4.00	4.01	4.00	4.00	4.00	4.00
Cross-Sectional Area, in <sup>2</sup>	12.57	12.58	12.58	12.58	12.61	12.58	12.56	12.58	12.58
Length Before Capping, in	8.03	8.04	8.04	8.06	8.07	8.07	8.05	8.08	8.08
Mass, lbm	8.7	8.65	8.65	8.65	8.65	8.65	8.6	8.7	8.65
Density, lb/ft <sup>3</sup>	149.0	147.8	147.8	147.4	146.9	147.2	146.9	148.0	147.1
Maximum Load, lbf	49,794	47,378	47,795	52,097	53,870	55,055	52,644	55,288	52,465
Fracture Pattern	2	2	2	2	2	2	2	2	2
Compressive Strength, psi	3,961	3,766	3,799	4,141	4,271	4,378	4,190	4,395	4,170
<b>Average Compressive Strength, psi</b>		<b>3,840</b>			<b>4,260</b>			<b>4,250</b>	

Concrete Mix I.D.	Control (No Pigment)			5% Pigment			10% Pigment		
	28 days			28 days			28 days		
	1	2	3	1	2	3	1	2	3
Age at Test, days									
Cylinder No.									
Average Diameter, in.	4.02	4.01	4.01	4.01	4.00	4.01	4.00	4.00	4.00
Cross-Sectional Area, in <sup>2</sup>	12.66	12.60	12.64	12.62	12.58	12.61	12.59	12.59	12.59
Length Before Capping, in	8.08	8.08	8.06	8.10	8.06	8.05	8.05	8.06	8.07
Mass, lbm	8.7	8.7	8.65	8.65	8.65	8.65	8.6	8.7	8.65
Density, lb/ft <sup>3</sup>	147.0	147.7	146.8	146.3	147.5	147.3	146.5	148.2	147.2
Maximum Load, lbf	63,810	63,190	63,808	65,293	67,954	66,729	66,517	68,641	63,914
Fracture Pattern	2	3	6	2	2	2	2	2	2
Compressive Strength, psi	5,040	5,015	5,049	5,173	5,401	5,292	5,281	5,450	5,078
<b>Average Compressive Strength, psi</b>		<b>5,030</b>			<b>5,290</b>			<b>5,270</b>	

**Notes:**

1. 4x8-in. concrete cylinders cast at AET on August 1, 2024 using AET supplied constituent materials, submitted pigment samples and concrete mixture design as given by ASTM C979.
2. The results contained in this report represent specifically the samples tested and the method specified.