

November 12, 2009

Terry Fenelon
GrayAgain
1251 Arundel Street
St. Paul, MN 55117

Subj: Color Removal
AET Project No. 29-00247

Dear Mr. Fenelon:

We have recently completed our testing of GrayAgain's color removal GrayAgain. The purpose of this testing was to determine what affect GrayAgain had on the following concrete properties.

- Slump
- Air Content
- Setting Time
- Shrinkage
- Compressive Strength
- Chloride-Ion Content

We performed testing on both laboratory batched concrete and plant batched concrete. In each case, a control batch without color was tested, then color was added and the colored concrete was tested. Finally, the GrayAgain color removal was added and retested.

When comparing the colored concrete test results to the GrayAgain concrete test results, the deviation is within both the ASTM:C979, "The Standard Specification for Pigments for Integrally Colored Concrete," and the Type S Specific Physical Performance criteria given in ASTM:C494.

In addition to the recent test results, we have attached the original color pigment testing (production check) showing that the GrayAgain color meets the requirements of ASTM:C979, "The Standard Specification for Integrally Colored Concrete."

A review of the test data shows that the use of GrayAgain has less affect on the concrete properties then the use of the original color addition has on the control concrete.

Mr. Terry Fenelon
AET Project No. 29-00247
November 12, 2009
Page 2 of 2

As part of your Quality Control Program, we are currently rerunning the ASTM:C979, "The Standard Specification for Pigments for Integrally Colored Concrete," on your GrayAgain color. We anticipate completing the testing in early December 2009.

If you have any questions or if we can be of further assistance, feel free to contact us.

Sincerely,
American Engineering Testing, Inc.

A handwritten signature in black ink that reads "Dan Vruno". The signature is written in a cursive, flowing style.

Daniel M. Vruno, P.E.
Senior Concrete Engineer
Phone: 651-659-1334
Fax: 651-647-2744
dvruno@amengtest.com

DMV/cm

REPORT OF PLANT TRIAL BATCHING OF CONCRETE

PROJECT:

COLOR REMOVAL
GRAYAGAIN

REPORTED TO:

GRAYAGAIN
1251 ARUNDEL STREET
ST. PAUL, MN 55117

ATTN: TERRY FENELON

AET PROJECT NO: 29-00247

DATE: OCTOBER 7, 2009

INTRODUCTION

This report presents the results of plant trial batching of portland cement concrete. The trial batching was performed at Apple Valley Ready Mix on August 12, 2009. Our work was requested and authorized by Terry Fenelon of GrayAgain. The scope of our work was limited to:

- Testing plastic concrete to document slump and air content
- Casting standard 4 x 8 inch compressive cylinders
- Casting standard 4 x 8 inch cylinders for chloride-ion content
- Casting 4 x 4 x 10 inch shrinkage beams
- Preparing and testing time of set samples
- Testing the hardened concrete cylinders to document compressive strength

TEST PROCEDURES

Plant testing was performed on August 12, 2009. Our procedures were as follows:

1. After batching, the plastic concrete was tested to document slump, air and time of set. The slump was documented in accordance with ASTM:C143, "Standard Test Method for Slump of Portland Cement Concrete."
2. The air content of the concrete was tested by the pressure method according to ASTM:C231, "Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method."
3. Compressive strength cylinders and shrinkage beams were cast in accordance with ASTM:C31, "Practice for making and curing concrete test specimens in the Field."
4. Time of set samples were prepared and tested in accordance with ASTM:C403, "Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance."

5. The compressive strength samples were tested according to ASTM:C39, "Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens."
6. Chloride-ion content was determined using ASTM:C1218, "Standard Test Method for Water-Soluble Chloride in Mortar and Concrete."

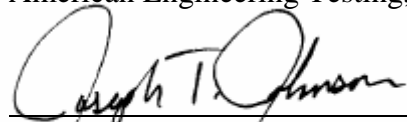
TEST RESULTS

	Batch #1 (Control)	Batch #2 (1 cy color 2%)	Batch #3 (1 cy on top grayagain)	Batch #4 (2 cy on top grayagain)
Slump, inches	2.25	1.5	4.5	4.5
Air Content, %	5.4	4.6	4.2	6.4
Time of Set, hr:min				
Initial Set	3:40	N/A	3:35	N/A
Final Set	5:25	N/A	5:00	N/A
*Compressive Strength, psi				
7 days	4290	4410	4960	4540
28 days	5230	5610	6400	5530
Shrinkage, %	0.042	N/A	0.43	N/A
Chloride-ion Content, ppm	35	40	40	40

REMARKS

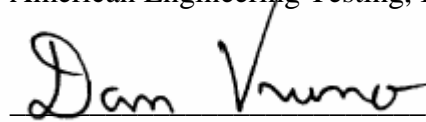
Should you have any questions regarding this report or those attached, please feel free to contact us.

Report Prepared By:
American Engineering Testing, Inc.



Joseph T. Johnson
Concrete Technician II
Phone: 651-659-1341
Fax: 651-647-2744
jtjohnson@amengtest.com

Report Reviewed By:
American Engineering Testing, Inc.



Daniel M. Vruno, P.E.
Senior Concrete Engineer
MN Lic. No. 42037
Phone: 651-659-1334
Fax: 651-647-2744
dvruno@amengtest.com