

Masonry Cement Samples 65 & 66

Please Note:

- Both of these cements are Type N, ASTM C91 Masonry cements.
- Determine the density of these masonry cements. Use these densities in the air content calculations.
- Please allow until August 20st for receipt of samples.
- Closing date for test results is September 24, 2010 (October 1st for 28-day results).



August 5, 2010

TO: Participants in the CCRL Masonry Cement Proficiency Sample Program

SUBJECT: Masonry Cement Proficiency Samples No. 65 and No. 66

The current pair of Masonry Cement Proficiency Samples are being forwarded by FedEx Ground to domestic addresses. Various methods are being used for international shipments. These samples are packaged in separate boxes and each contains approximately 7,200 g material. The boxes are labeled to identify the sample. You must label each bag of cement with the sample number when removing the cement from the box.

Please allow until August 20, 2010, for receipt of these samples. If the samples have not been received on this date or if the samples you receive are damaged, notify us by sending email to ccrl@nist.gov or by calling 301-975-6704. Replacement samples will be forwarded.

These tests should be conducted as soon as possible after the samples are received, and the test results should be promptly reported to CCRL upon completion of testing. Test results should be entered at our website: <http://www.ccrl.us/>. The closing date for test results will be September 24, 2010. The results for 28-day tests will be accepted until October 1, 2010.

A final report containing scatter diagrams, average values, standard deviations, laboratory ratings and other pertinent information, will be available at our website. Notice and information about the final report will be sent by email.

Instruction covering the proposed tests, and the necessary data sheets for reporting the test results are on the following pages. Please read these carefully before testing.

Additional samples of this sample pair and past CCRL samples are available for sale. These samples can be used for research, technician training, and test equipment verification. Contact us for availability and pricing.

Sincerely,

Robin K. Haupt
Supervisor, PSP
Cement and Concrete Reference Laboratory

INSTRUCTIONS FOR REPORTING

For the sake of uniformity, report the values for the various tests to the nearest significant number indicated on the reporting forms.

Test results should be entered at our website: <http://www.ccrl.us/>. The closing date for test results will be September 24, 2010. The results for 28-day tests will be accepted until October 1, 2010.

**CCRL PROFICIENCY SAMPLE PROGRAM
MASONRY CEMENT TESTS REPORT FORM
SAMPLES NO. 65 & NO. 66**

RETURN TO: R.K. Haupt, Supervisor, PSP
Cement and Concrete Reference Laboratory
National Institute of Standards and Technology
100 Bureau Drive, Stop 8618
Gaithersburg, Maryland 20899-8618
FAX: 301-975-2243

FROM: _____

e-mail: _____
Check here if name or address has changed _____

TEST RESULTS
Report Results as Indicated in ()

	Sample No. 65	Sample No. 66	
NORMAL CONSISTENCY:			
Water (nearest 0.1 percent by weight of cement)	_____	_____	[110]
GILMORE TIME OF SETTING:			
Initial Set, Report in minutes (nearest 5 minutes)	_____	_____	[130]
Final Set, Report in minutes (nearest 5 minutes)	_____	_____	[140]
AUTOCLAVE EXPANSION:			
	<u>No. 65</u>	<u>No. 66</u>	
Final Reading	_____	_____	
Initial Reading	_____	_____	
Difference	_____	_____	
Percent Expansion (nearest 0.01 percent)	_____	_____	[160]
AIR ENTRAINMENT:			
Percent Air (nearest 0.1 percent)	_____	_____	[170]
Mixing Water (nearest 0.1 percent by weight of cement)	_____	_____	[180]
Flow Obtained (nearest percent)	_____	_____	[190]
COMPRESSIVE STRENGTH:			
	<u>No. 65</u>	<u>No. 66</u>	
7-day, total load, lbs.	1) _____	_____	
	2) _____	_____	
	3) _____	_____	
Average (nearest 10 psi)	_____	_____	[210]
28-day, total load, lbs.	1) _____	_____	
	2) _____	_____	
	3) _____	_____	
Average (nearest 10 psi)	_____	_____	[211]
FINENESS: 45-µm (No. 325) Sieve, corrected percent retained			
(nearest 0.01 percent)	_____	_____	[281]
	<u>No. 65</u>	<u>No. 66</u>	
Correction Factor for 45 µm sieve	_____	_____	
(nearest 0.1 percent)	_____	_____	

Tests performed by _____ Date _____
 Tests reported by _____ Title _____
 Phone _____ Fax _____ CCRL Laboratory Number _____

**CCRL PROFICIENCY SAMPLE PROGRAM
MASONRY CEMENT TESTS REPORT FORM
SAMPLES NO. 65 & NO. 66**

RETURN TO: R.K. Haupt, Supervisor, PSP
Cement and Concrete Reference Laboratory
National Institute of Standards and Technology
100 Bureau Drive, Stop 8618
Gaithersburg, Maryland 20899-8618
FAX: 301-975-2243

FROM: _____

e-mail: _____
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TEST RESULTS

Report Results as Indicated in ()

	Sample No. 65	Sample No. 66	
DENSITY: (nearest 0.01 g/cm ³)	_____	_____	[310]
WATER RETENTION:			
Mixing water, (nearest 0.1 percent by weight of cement)	_____	_____	[330]
Initial flow, (nearest percent)	_____	_____	[331]
Final flow, (nearest percent)	_____	_____	[332]
Water retention, (nearest percent)	_____	_____	[333]
Type of Vacuum Indicator used with Water Retention Apparatus:	<input type="checkbox"/> vacuum gage <input type="checkbox"/> mercury manometer		
Filter Paper used (brand and number):	<input type="checkbox"/> Humboldt <input type="checkbox"/> SS 576 <input type="checkbox"/> Whatman		
	<input type="checkbox"/> other (please specify) _____		

Tests performed by _____ Date _____
Tests reported by _____ Title _____
Phone _____ Fax _____ CCRL Laboratory Number _____