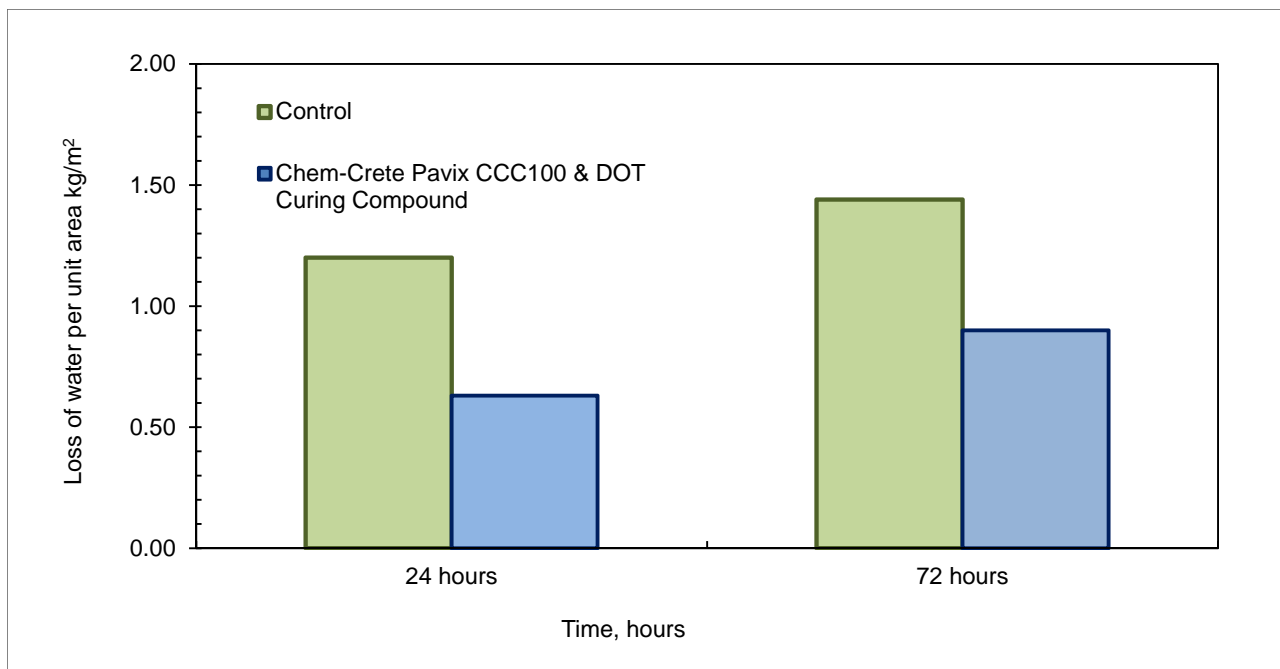


ASTM C156, Standard Test Method for Water Loss [from a Mortar Specimen] Through Liquid Membrane-Forming Curing Compounds for Concrete



Brand designation (Client ID): Chem-Crete Pavix CCC100® + DOT Curing Agent
 Nonvolatile Content: 31.6% by weight
 Density: 8.8 pounds per gallon
 Surface area inside the wax seal: 22,800 mm²
 Brand of cement used: CTLGroup Stock cement, from Holcim Ste. Genevieve
 Proportions of mortar by weight:
 0.248 Type I portland cement
 0.639 Ottawa graded sand
 0.103 Water
 Method of application: Spray / brush
 Duration of the test: 72 hours
 Rate of application: 200 ft²/gal
 Drying time: not requested

Loss of water per unit area, kg/m ²		
Sample ID	24 hours	72 hours
Control 1	1.22	1.47
Control 2	1.17	1.41
Control 3	1.21	1.44
Average	1.20	1.44
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WP+CC 1	0.66	0.93
WP+CC 2	0.61	0.89
WP+CC 3	0.62	0.88
Average	0.63	0.90

Client:	International Chem-Crete Co.	CTL Project No:	391442
Project:	PO A17061601	CTL Project Mgr:	J. L. Jones
Contact:	Radi Al-Rashed	Analyst:	V. Starr
Submitter:	Radi Al-Rashed	Approved:	J. L. Jones
Date Rec'd:	20-Jun-16	Date Reported:	3-Nov-16
		Date Analyzed:	3-Nov-16

REPORT OF ASTM C156 TESTING¹

Manufacturer:	International Chem-Crete Co.
Address:	800 Security Row STE. 1 Richardson, TX 75018
Brand designation (Client ID):	Chem-Crete Pavix CCC100® + DOT Curing Agent
Type of curing material:	ASTM C309 Type I, Class B
Batch Number:	Not Stated
Quantity represented by sample	approximately 1 gallon each
Date sampled:	Not reported
Source of sample:	Manufacturer
Laboratory sample identification (CTL ID):	4247402
Physical properties of curing material:	
Nonvolatile content, % by wt.:	31.6%
Density, pounds per gallon:	8.8
Surface area inside the wax seal, mm ² :	22800
Depth of mortar specimens, cm:	3.175
Brand of cement used:	CTLGroup Lab Blend
Proportions of mortar by weight:	
Type I portland cement:	0.248
Ottawa graded sand:	0.639
Water:	0.103

Method of application:	Spray
Duration of the test:	72 hours
Average of evaporation rate of test cabinet:	2.35 ± 0.07 g/hr
Rate of application, ft ² /gal:	200
Drying time, h:mm:	Not Requested

24 Hour Results

Loss of water per unit area, kg/m ² :	
Specimen 1	0.66
Specimen 2	0.61
Specimen 3	0.62
Average loss of water per unit area, kg/m ² :	0.63
Standard deviation, kg/m ² :	0.03
Range, kg/m ² :	0.05

72 Hour Results

Loss of water per unit area, kg/m ² :	
Specimen 1	0.93
Specimen 2	0.89
Specimen 3	0.88
Average loss of water per unit area, kg/m ² :	0.90
Standard deviation, kg/m ² :	0.03
Range, kg/m ² :	0.05

1 - ASTM C156, "Standard Test Method for Water Loss [from a Mortar Specimen] Through Liquid Membrane-Forming Curing Compounds for Concrete"



Client:	International Chem-Crete Co.	CTL Project No:	391442
Project:	PO A17061601	CTL Project Mgr:	J. L. Jones
Contact:	Radi Al-Rashed	Analyst:	V. Starr
Submitter:	Radi Al-Rashed	Approved:	J. L. Jones
Date Rec'd:	20-Jun-16	Date Reported:	3-Nov-16
		Date Analyzed:	3-Nov-16

REPORT OF ASTM C156 TESTING¹

Manufacturer:	International Chem-Crete Co.
Address:	800 Security Row STE. 1 Richardson, TX 75018
Brand designation (Client ID):	CONTROL - no curing product
Type of curing material:	n/a
Batch Number:	n/a
Quantity represented by sample, liters:	n/a
Date sampled:	n/a
Source of sample:	n/a
Laboratory sample identification (CTL ID):	CTL Control Samples
Physical properties of curing material:	
Nonvolatile content, % by wt.:	n/a
Density, pounds per gallon:	n/a
Surface area inside the wax seal, mm ² :	22800
Depth of mortar specimens, cm:	3.175
Brand of cement used:	CTLGroup Lab Blend
Proportions of mortar by weight:	
Type I portland cement:	0.248
Ottawa graded sand:	0.639
Water:	0.103

Method of application:	n/a
Duration of the test:	72 hours
Average of evaporation rate of test cabinet:	2.35 ± 0.07 g/hr
Rate of application, ft ² /gal:	0.0
Drying time, h:mm:	Not Requested

24 Hour Results

Loss of water per unit area, kg/m ² :	
Specimen 1	1.22
Specimen 2	1.17
Specimen 3	1.21
Average loss of water per unit area, kg/m ² :	1.20
Standard deviation, kg/m ² :	0.03
Range, kg/m ² :	0.05

72 Hour Results

Loss of water per unit area, kg/m ² :	
Specimen 1	1.47
Specimen 2	1.41
Specimen 3	1.44
Average loss of water per unit area, kg/m ² :	1.44
Standard deviation, kg/m ² :	0.03
Range, kg/m ² :	0.06

1 - ASTM C156, "Standard Test Method for Water Loss [from a Mortar Specimen] Through Liquid Membrane-Forming Curing Compounds for Concrete"