DEPARTMENT OF CIVIL ENGINEERING

FACULTY OF ENGINEERING, KING MONGKUT ' S INSTITUTE OF TECHNOLOGY

LADKRABANG BANGKOK THAILAND. TEL. 023264216

WATER RETENTION BY CONCRETE CURING TEST (ASTM C 156)

Client : WATERSTOP PRODUCT Co.,Ltd. **Req. No.** 50-771

Project : **Req. Date :** -

Test Specimen: Three (3) specimen of mortar in container having a size of 15 x 30 x 5 cm. were applied by the " WATER CURE S " (Sodium Silicate) curing compound **Date of Testing :** 11/8/2007

Relative Humidity 51

Room Temperature: 37.8 ^{O}C

Spec No.	Weight of Specimen (g.)	Weight of Specimen and Curing Compound (g.)	Weight of Specimen and Curing Compound After 12 h. (g.)	Non-volatile matter in ter Curing Compound (NV) (%)	Loss Water Concrete for Weight of the curing Compound added (g.)	Surface Area of Specimen (cm^2)	Rate of loss Water (kg/m^2)	Remark
1	4758	4,773	4663	15.83	97.37	1350	0.0721	
2	4723	4,739	4625	15.83	100.53	1350	0.0745	
3	4531	4,546	4436	15.83	97.37	1350	0.0721	
						Average :	0.0729	

Note: 1) There are 3 Tested samples for This Data Sheet.

2) Certification Applies to Test Samples Only.

3) No Erasure or Alterations.

Tested By Mr.Chaiya Umboon

Certified By .....

ภาชาย์ชลิดา อุ่ตะเภา

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REPORT ON TESTING AND ANALYSIS

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Test Specimen: Three (3) specimen of mortar in container having a size of 15 x 30 x 5 cm. were applied by the " WATER CURE S " (Sodium Silicate) curing compound **Date of Testing :** 11/8/2007

Method Testing ASTM C 309-81

Room Temperature: 37.8 ^{O}C

Relative Humidity 51

Test data	Units	Results
1. Loss of Water in 72 hrs.	kg/m^2	0.0729
2. Drying Time		
2.1 After 4 hrs.	-	pass
2.2 After 12 hrs.	-	pass
3. Non-Volatile Matter	%	15.83

Note: 1) Certification Applies to Test Samples Only.

2) No Erasure or Alterations.

Tested By.: Mr.Chaiya Umboon

Certified By: .....

อาจารย์ชลิดา ก่ตะเกา