



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 Date of Testing : 11/8/2007
of 15 x 30 x 5 cm. were applied by the " WATER CURE S " (Sodium Silicate) curing compound
Relative Humidity 51
Room Temperature: 37.8 °C

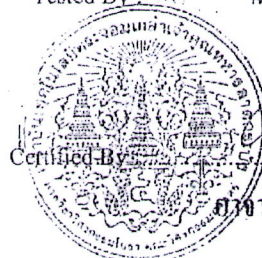
Spec No.	Weight of Specimen (g.)	Weight of Specimen and Curing Compound (g.)	Weight of Specimen and Curing Compound After 12 h. (g.)	Non-volatile matter in ter Curing Compound (NV) (%)	Loss Water Concrete for Weight of the curing Compound added (g.)	Surface Area of Specimen (cm ²)	Rate of loss Water (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. Chaia Umboon



ศาสตราจารย์ ดร. ชัยวัฒน์ อุมบูน



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING, KING MONGKUT 'S INSTITUTE OF TECHNOLOGY
LADKRABANG BANGKOK THAILAND. TEL. 023264216

REPORT ON TESTING AND ANALYSIS

Client : WATERSTOP PRODUCT Co.,Ltd. **Req. No.** 50-771
Project : **Req. Date :** -
Test Specimen: Three (3) specimen of mortar in container having a size **Date of Testing :** 11/8/2007
of 15 x 30 x 5 cm. were applied by the " WATER CURE S " (Sodium Silicate) curing compound
Method Testing ASTM C 309-81
Room Temperature: 37.8 °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



ศาสตราจารย์ชัชวาลย์ อู่ตะเภา