



BRTC No. : 1102-16447/20-21/CE; Dt. 10/9/2020 Sheet 1 of 1  
 Sent by : Ali Ahammad, Sr. Manager - Technical Services, LafargeHolcim Bangladesh Limited  
 Ref. No. : 36.05.0000.003.18.1045.19/707; Dt. 10/9/2020  
 Project : Testing of Cement Manufactured by LafargeHolcim Bangladesh Ltd.  
 Test Sample : **Cement** [Brand: Holcim Water Protect (CEM-II/B-M)]  
 Cement used in Control Mix : Portland Composite Cement (CEM-II/B-M)  
 Date of Casting : 15/9/2020 Test Method & Specification : EN-480-5

**Test Results of Blended Hydraulic (Portland Composite) Cement**

Capillary Absorption (g/mm <sup>2</sup> )	Absorption	1 day	7 days
	Date	23-Sep-20	29-Sep-20
Control Mix		<b>0.0052</b>	<b>0.0088</b>
Test Mix		<b>0.0019</b>	<b>0.0031</b>
Capillary Absorption of Test Mix in comparison to Control Mix (%)		<b>37%</b>	<b>35%</b>
Specific requirements for water resisting admixtures (at equal consistency or equal w/c ratio) EN 934-2:2001 (E)		--	<b>≤50%</b>
Test Mix Satisfied the requirements as per EN 934-2:2001 E (YES/NO)		--	<b>YES</b>
Mixing water temperature	22.5°C		



Comments: The cement samples prepared from Holcim Water Protect submitted by LafargeHolcim Bangladesh Limited satisfy the requirements for 07 (Seven) days Capillary Absorption as per EN 934-2:2001 E

Countersigned by:

Dr. Md. Abdul Jalil  
Professor, Dept. of Civil Engg., BUET



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Test performed by:

Dr. Rupak Mutsuddy  
Assistant Professor, Dept. of Civil Engg., BUET

**Important Notes:** Samples as supplied to us have been tested in our laboratory. BRTC does not have any responsibility as to the representative character of the samples required to be tested. It is recommended that samples are sent in a secured and sealed cover/packet/container duly signed by a competent authority. In order to avoid fraudulent fabrication of test results, it is also recommended that all the test reports are collected by an authorized person, and not by the Contractor/Supplier.