



CIVIL ENGINEERING LABORATORY

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Rapid Chloride Penetration Test (ASTM C 1202)

Specimen From : บริษัท สิงห์สุวรรณ จำกัด
Project Name : ถังเก็บน้ำใส สถานีสูบน้ำลาดพร้าว
Mix Code : MW4017WPF3CR
Date of Casting : May 31, 2023
Date of Testing : July 6, 2023

Specimen	Diameter (cm)	Thickness (cm)	Total Charge Passed (Coulombs)
A	10.0	5.0	1049
B	10.0	5.0	882
C	10.0	5.0	800
Average			910.3

Note: Samples were tested at room temperature 25 ± 2 °C.

Chloride Ion Penetrability Based on Charge Passed¹

Charge Passed (Coulombs)	Chloride Ion Penetrability
>4,000	High
2,000—4,000	Moderate
1,000—2,000	Low
100—1,000	Very Low
<100	Negligible

¹ Whiting, D., "Rapid Determination of the Chloride Permeability of Concrete," Final Report No. FHWA/RD-81/119, Federal Highway Administration, August 1981, NTIS No. PB 82140724.

ลิขสิทธิ์เฉพาะ บก.สิงห์สุวรรณ เซอร์วิส PENETRON

Tested by : 
(Manote Sappakittipakorn)

Department Head : 
(Nuttawut Thanasisathit)
CIVIL ENGINEERING
KMITNB

Remarks : 1. The test results are good only for those specimens tested.
2. This certificate of the test results is not valid unless signed and sealed.