



Web Site : www.scg.co.th

E-mail : supakose@scg.co.th

Tel. : 662-586-4749, 662-586-4362

Fax : 662-586-2990



ORDINARY PORTLAND CEMENT OF YEAR 2017

Specifications	EN 197 : 2011 Spec.	SCG Cement Spec.	Typical
Chemical Analysis			
SiO ₂ (%)	-	-	21.0
Al ₂ O ₃ (%)	-	-	5.3
Fe ₂ O ₃ (%)	-	-	3.3
CaO (%)	-	-	64.5
MgO (%)	-	max 3.0	1.2
SO ₃ (%)	max 3.5	max 3.5	3.0
LOI (%)	max 5.0	max 3.0	2.2
Insoluble Residue (%)	max 5.0	max 0.5	0.2
Chloride (%)	max 0.1	max 0.1	0.02
Total alkalis as Na ₂ O (%)	-	max 0.6	0.51
C ₃ S (%)	-	min 52	61.0
C ₂ S (%)	-	max 25	12.0
C ₃ A (%)	-	max 12	8.6
C ₄ AF (%)	-	max 14	10.0
Physical Test			
Blaine Fineness (m ² /kg)	-	-	330
Soundness			
- Le chatelier test (mm)	max 10.0	max 10.0	0.7
Time of setting			
- Initial set (min)	min 60	min 80	120
- Final set (min)	-	-	170
Compressive strength			
	Class 42.5N	Class 42.5N	
2 Days (N/mm ²)	min 10.0	min 20.0	27.0
28 Days (N/mm ²)	min 42.5	min 42.5	55.0
	max 62.5	max 62.5	

Cement Division Manager

(Authorized Signature)

1 November 2016

Code : CM I : 1-01-01-17 (4) C (BS)

42.5N