

SGS Korea Co., Ltd.

Construction Materials Testing Center

Issue No. : CMT2020-0814R1

Address : 20,Dongtansandan 10-gil,Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Korea, 18487

t +82(0)31 669-0600 Fax +82(0)31 646 0888

<https://www.sgsgroup.kr>

1. Applicant

- Company : HANIL CEMENT Co., Ltd.
- Address : 1587, Seocho-dong, Seocho-gu, Seoul, Republic of Korea
- Receipt Date: December 06, 2019

2. Test Purpose : Maintenance of quality

3. Sample Description : high quality plaste

4. Date of Test : December 09, 2019 ~ January 31, 2020

5. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

(address : Concrete / Mortar Laboratory, SGS Korea Co., Ltd, 20 ,Dongtansandan 10-gil, Dongtan-myeon, Hwaseong-si, Gyeonggi-do)

6. Test Results :

No.	Test Items	Units	Test Methods	Results
1	Compressive strength	7 Days	KS L 5220 : 2018	16.4
		28 Days		22.9
2	Water content	%		76
3	Air content	Vol%		15
4	Sand content(remaining in 0.15mm sieve)	%		73
5	Max sand	4.0mm		100
		4.75mm		100

※ This test report supersedes the Report No. CMT2019-0814

-End-

Tester : Moon, SeungKwon

Tel : 031-646-0811

Technical Manager : Kim, DongHoon

Tel : 031-646-0812

- Remarks :
1. The results shown in this report refer only to the sample(s) submitted by applicant. This test report can not be reproduced or used other than the test purpose stated in above.
 2. The authenticity of the test report can be confirmed on the SGS website. (<http://e-checking.kr.sgs.com/construction/>)

April 22, 2020

SGS Korea Co., Ltd.
Construction Materials Testing Center

Page 1 of 1

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

CQP-708-001-F09 (01)

SGS Korea Co., Ltd.

20 ,Dongtansandan 10-gil, Dongtan-myeon, Hwaseong-si, Gyeonggi-do, Korea, 18487 t +82(0)31 646 0800 f +82(0)31 646 0888 www.sgs.com

Member of SGS Group(Société Générale de Surveillance)