

SGS Korea Co., Ltd.

Construction Materials Testing Center

Issue No. : CMT2020-1150R1

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

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<https://www.sgsgroup.kr>

1. Applicant

- Company : HANIL CEMENT Co., Ltd.
- Address : 330, Gangnam-daero, Gangnam-gu, Seoul, Korea
- Receipt Date: December 09, 2019

2. Test Purpose : Maintenance of quality

3. Sample Description : Road Repair Materials

4. Date of Test : December 16, 2019 ~ January 10, 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	Setting time	Initial	KS L ISO 9597 : 2009	30
		Final		45
2	Compressive strength	3 hours	KS F 2476 :2017	28.3
		1 days		33.4
		28 days		57.9
3	Flexural Strength	3 hours		7.4
		28 days		9.8
4	Air content	vol%	KS L 5220 : 2017	3.1
5	Sand content	%		67

※ Mix Proportion = powder : water : Polymer = 100 : 8.55 : 6.6(weight ratio)

※ Test conditions = Preparation of test specimens cured after 3 hours incubation (21 °C, 60%) 28 days after molding curing water

※ This test report supersedes the Report No. CMT2020-1150

Duplicate -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/>)

May 20, 2020

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Page 1 of 1

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