

**SGS Korea Co., Ltd.**

Construction Materials Testing Center

Issue No. : CMT2020-1130R1

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 : Grout 1 kind cement for ceramic tiles(Tiles grout)

## 4. Date of Test : December 16, 2019 ~ February 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	Compressive strength	7 days	KS L 1592 : 2011	18.4
		28days		21.3
2	Length change	%		0.07
3	Water retention value	%		3.5
4	Absorptance	%		84

※ Mix Proportion ☒ powder : water = 100 : 25.0(weight ratio)

※ This test report supersedes the Report No. CMT2020-1130

-End-

**Duplicate**

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

