

**SGS Korea Co., Ltd.**

Construction Materials Testing Center

Issue No. : CMT2020-1129R1

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 : Adhesive 1 kind cement for ceramic tiles (Tiles squeeze)

## 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	Correction of position			min	KS L 1592 : 2011	Orver 20
2	Open time			min		Orver 30
3	Shear bond strength	7 days Air dry curing	A type	N/mm <sup>2</sup>		1.25
			C type	N/mm <sup>2</sup>		0.70
		4 weeks Air dry curing	A type	N/mm <sup>2</sup>		1.54
			C type	N/mm <sup>2</sup>		1.16
		4 weeks Air dry curing after freezing and thawing	A type	N/mm <sup>2</sup>		1.41
			C type	N/mm <sup>2</sup>		1.05
4	Length change			%		0.05
5	Rate of return			%		88

※ Mix Proportion  $\square$  powder : water = 100 : 23.0(weight ratio)

※ This test report supersedes the Report No. CMT2020-1129

-End-

Duplicate

Tester : Moon, SeungKwon

Tel : 031-646-0811

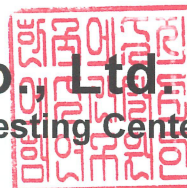
Technical Manager : Kim, DongHoon

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

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