

SGS Korea Co., Ltd.

Construction Materials Testing Center

Issue No. : CMT2020-1133R1

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 : 330, Gangnam-daero, Gangnam-gu, Seoul, Korea
- Receipt Date: December 09, 2019

2. Test Purpose : Maintenance of quality

3. Sample Description : REMIFLOW SL05 (self-levelling mortar)

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	Flow	mm	KS F 4041 : 2019	235
2	Time of setting	Initial		1 : 40
		Final		2 : 40
3	Flexural strength	MPa		11.4
4	Compressive strength	4 hours		19.8
		28days		44.2
5	Bond strength	MPa		2.1
6	Impact resistance	-		Nomal
7	Durability of abrasion	mg/mm ²		0.10
8	Length change	%		-0.01
9	Tensile strength	MPa	KS L 5104 : 2017	3.8
10	Coefficient of thermal expansion	°C	KS F 2608 : 2011	2.56×10 ⁻⁵
11	Chemical resistance after weight loss(7days)	10% H ₂ SO ₄	KS M ISO 2812-1 : 2012	2.5
		10% Na ₂ SO ₄		0.6

※ Mix Proportion = powder : water = 100 : 22.0(weight ratio)

※ This test report supersedes the Report No. CMT2020-1133

Duplicate

Tester : Moon, SeungKwon

Tel : 031-646-0811

Technical Manager : Kim, DongHoon

Tel : 031-646-0812

- Remarks :
- 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.
 - 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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SGS-7/03/001-F09 (01)

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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

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