



TEST REPORT



1. NO : CT18-011619

2. Client

○ Name : Saint-Gobain Isover Korea Co., Ltd.

○ Address : 70, Bugokgongdan 1-gil, Songak-eup, Dangjin-si, Chungcheongnam-do, Korea

3. Date of Test : 2018.01.18 ~ 2018.02.14

4. Use of Report : Quality Control

5. Test Sample : ISOVER Safewall 4+

6. Test Method

(1) Ministry of Environment 2017-11 Official test method ES 02131.1a

7. Test Results

1) ISOVER Safewall 4+

Test Item(s)	Unit	Test Method	Test Results	Remark
√ Total Volatile Organic Compounds (TVOC)	mg/(m ³ · h)	(1)	0.006	-
√ Toluene	mg/(m ³ · h)	(1)	N/D (MDL 0.000 5)	-
√ Formaldehyde	mg/(m ³ · h)	(1)	0.002	-

The checked test property with the mark of "√" is the recognized test property by the KOLAS.

Affirmation	Tested By	Technical Manager
	Name : Kim Hyun Jin <i>Kimhyunjin</i>	Name : Kang Byung Chul <i>B.C. Kang</i>

Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products.

The above test certificate is the accredited test results by Korea Laboratory Accreditation Scheme, which signed the ILAC-MRA.

2018.02.14

Korea Conformity Laboratories President Kyung Sik Kim *Kyungsik Kim*

Accredited by KOLAS, Republic of KOREA

Address : #805, 1' VALLEY Gunpo, 149, Gongdan-ro, Gunpo-si, Gyeonggi-do, 15845, Korea 82-31-389-9100

Result Inquiry : IAQ Center 82-31-389-9107



TEST REPORT



No : CT18-011619

Attachss

Compound	Test result (detail)			Test method
	Emission rate [mg/(m ² ·h)]			
	Sample-1	Sample-2	Average	
TVOC*	0.005	0.006	0.006	Ministry of Environment 2017-11 Official test method ES 02131.1a
Toluene	N/D (MDL 0.000 5)	N/D (MDL 0.000 5)	N/D (MDL 0.000 5)	
Formaldehyde	0.003	0.002	0.002	

* TVOC : Total Volatile Organic Compounds



TEST REPORT



No : CT18-011619

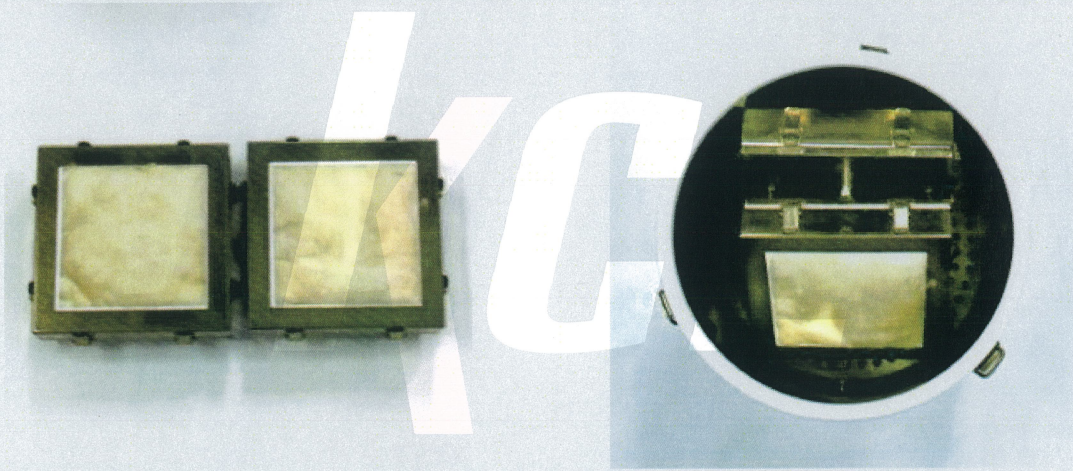
*** Condition of testing**

1. Condition of emission test chamber

sample type	solid product	sample	board
temperature	24.8 °C ~ 25.2 °C	loading factor	2.0 m ² /m ³
relative humidity	47 % ~ 51 %	air exchange rate	0.50 h ⁻¹

*** Period in Chamber : 7 days**

2. Test specimen



< Picture #1 >

< Picture #2 >

