

Test Report No. : OS-16-079098-4

Date : March 21, 2017

TEST REPORT

Requested : LAMINAM S.p.A.
 Test Sample : Tile 2 Samples
 Test Items : Antibacterial Activity
 Received : March 6, 2017

This is to report that the results of laboratory test applied on the sample are as follows:

1. Test Results

1. *Staphylococcus aureus*

Test Sample *1	The number of viable cells		Photocatalyst Antibacterial activity value (R _L)
	Immediately after inoculation (A)	After irradiating the UV for 8 hours *2 (B _L , C _L)	
① Other Photocatalytic Technology	—	1.1E+05	0.4
② HYDROTECT	—	<1.0E+01	4.4
Control (Glass plate)	2.1E+05	2.9E+05	—

2. *Escherichia coli*

Test Sample *1	The number of viable cells		Photocatalyst Antibacterial activity value (R _L)
	Immediately after inoculation (A)	After irradiating the UV for 8 hours *2 (B _L , C _L)	
① Other Photocatalytic Technology	—	2.0E+05	0.2
② HYDROTECT	—	<1.0E+01	4.5
Control (Glass plate)	1.6E+05	3.4E+05	—

*1 Specimens were irradiated with UV ray at an irradiance of 1mw/cm² for 24hours just before the test.

*2 UV irradiance : 0.001mW/cm²

(To be continued on No.2/2)

KAKEN

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No.2/2

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(continued from No.1/2)

2. Test Method: JIS R 1702 :2012(Film adhesion method) , Modified
(ISO 27447:2009, Glass adhesion method, Modified)
Test Bacteria : *Staphylococcus aureus* NBRC 12732
Escherichia coli NBRC 3972

3. Sample:

Sample Omitted

Kaken Test Center General Incorporated Foundation
Osaka Laboratories
Biological Test Laboratory

Inspector : 中富根寿明
T.Nakasone

Period.