

**KATRI KOREA INDUSTRY MATERIAL  
RESEARCH CENTER**

232-22 Yongdoo-dong, Dongdaemoon-Gu, Seoul Dongdaemoon PO Box  
No.132

**KOLAS**

**TEST REPORT**

KATRI NO : SIO - 002080

Date : 2000. 11. 25.

Applicant : Acourete Co., Ltd.

Test Sample : ACOURETE BOARD

The test result for the test sample submitted by 22/11/2000 are as follows:

<b>Test item</b>	<b>Test result</b>
Flame retardant efficiency : The Fire Service Act (Notification No. 1997-39 of Ministry of Home affairs)	
Residual flame time (sec)	0
Residual spark time (sec)	0
Carried area (cm <sup>2</sup> )	10.1
Carried length (cm)	4.4

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Test Sample (Stamped) Tester in Charge : Do-Shik Kim

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- ◆ The name of the test samples is the name presented by the applicant. The test result is the result of the test for the test samples. This report is prohibited to use for lawsuit and legal procedure.
- ◆ Korea Industry Material Research Center is an organization of KATRI (KOREA APPAREL TESTING & RESEARCH INSTITUTE)

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*KOLAS*

232-22 Yongdoo-dong, Dongdaemoon-Gu,  
Seoul Dongdaemoon PO Box No. 132

**TEST REPORT**

KATRI NO : SI 1 - 000596

Date : 2001. 04. 02

Applicant : Acourete Co., Ltd.

Test Sample : ACOURETE BOARD

The test result for the test sample submitted by 2001. 3. 27. is as follows:

\* ACOURETE BOARD

<b>Test item</b>	<b>Test result</b>
Coefficient of Heat Conduction (kcal/m h . . °) : KS L 9016	
0.035	

Test Sample (Stamped)

Tester in Charge : Do-Shik Kim

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**DIRECTOR OF KOREA INDUSTRY MATERIAL RESEARCH CENTER**

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**Test Result translated into English from Korean**

<b>TEST REPORT</b>		Report No. : 200201-A2	
803 Jangsan-ri, Sooshin-myon, Chonan-city, Choongnam 330-882 Tel: 041-620-3431 Fax: 041-552-7416		1 Page of 3 Pages	
Applicant	Acourete Co., Ltd.	Test Date	2002. 1. 8.
Date of Receipt	2002. 1. 7.	Test Receipt	2002-A2
Test Item	Acourete Board	Manufacturer	Acourete Co., Ltd.
Test Purpose	Efficiency Test	Test Environment	10 , 55%(RH)
Test Name	Sound Absorption Test (Tube Method)		
Test Method	ISO 10534-2 : 1998(E) "Acoustics - Determination of sound absorption coefficient and impedance in impedance tube - Part 2: Transfer-function method"		
<p><b>Test Results</b></p> <p>The followings are shown on the next page.</p> <ol style="list-style-type: none"> <li>1. Test Method</li> <li>2. Test Results</li> </ol> <p>Equipments used for the test:</p> <ol style="list-style-type: none"> <li>1. Noise Generator (B&amp;K 1405,1322878)</li> <li>2. Band Pass Filter (B&amp;K 1617, 1732966)</li> <li>3. Power Amplifier (B&amp;K 2712, 1318246)</li> <li>4. Pistonphone (RION NC-72, 0108403, Next Correction Date : 2002. 4. 30)</li> <li>5. Real Time Analyzer Sound Level Meter (LARSON DAVIS 3200)</li> <li>6. Microphone (LARSON DAVIS 2559, SN 2631, 2627 Next Correction Date : 2002. 12. 21.)</li> </ol> <p style="text-align: right;">- Continued on the next page -</p>			
<p>o This test report is the test results of the test sample provided by the applicant and the name of the test sample is it presented by the applicant.</p> <p>o This report is effective for the above test sample and is prohibited to be adjusted or reissued without approval of the Director of Union Technology Research Center.</p> <p>o This report is the test result in accordance with the test item and the test method approved by KOLAS which signed on the Mutual Recognition Agreement of the International Laboratory Accreditation Corporation.</p> <p style="text-align: center;">Tested by : Sang-Deok Shim                      Approved by : Senior Researcher, Young-Chan Kim</p> <p style="text-align: right;">January 20, 2002</p> <p style="text-align: center;"><b>DIRECTOR OF UNISON TECHNOLOGY RESEARCH CENTER</b></p>			

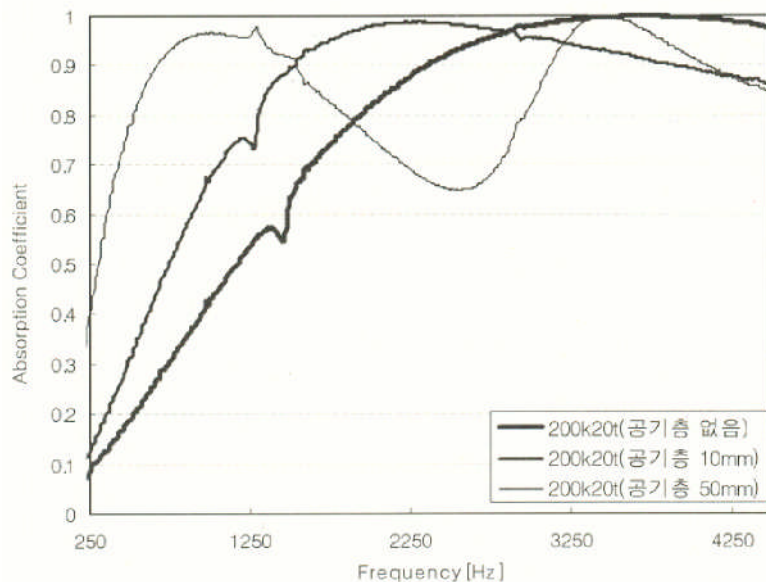
<p><b>TEST RESULT</b></p> <p>803 Jangsan-ri, Sooshin-myon, Chonan-city, Choongnam 330-882 Tel: 041-620-3431 Fax: 041-552-7416</p>	<p>Report No. : 200201-A2 3 Page of 3 Pages</p>
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2. Test result

Test result for sound absorption coefficient of the test sample applied is as <Table 1>

<Table 1> Test Result of Sound Absorption Coefficient by Tube method

Test Name	Tube method measuring test for Sound Absorption Coefficient	Test Date	2002. 1. 8.								
Sample Name	Acourete Board	Test Method	ISO 10534-2 : 1998(E)								
Sample Size	Diameter 35mm	Feature of Sample	Thickness : 20mm, Density : 200K								
Frequency (Hz)		100	125	160	200	250	315	400	500	630	800
Sound Absorption Coefficient	ir Space none	-	-	-	-	0.09	0.12	0.15	0.19	0.25	0.33
	Air Space 10mm	-	-	-	-	0.12	0.17	0.23	0.31	0.42	0.54
	ir Space 50mm	-	-	-	-	0.41	0.52	0.65	0.78	0.88	0.95
Frequency (Hz)		1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k
Sound Absorption Coefficient	ir Space none	0.43	0.54	0.69	0.82	0.92	0.99	0.10	-	-	-
	Air Space 10mm	0.68	0.74	0.93	0.98	0.99	0.95	0.89	-	-	-
	ir Space 50mm	0.97	0.96	0.86	0.76	0.65	0.92	0.92	-	-	-
Remarks											
The value of sound absorption coefficient was rounded off the fractions to two decimal places.											



- The End -