



**Test Data:**

**SOUND ABSORPTION**  
ASTM C-423

**General Information**

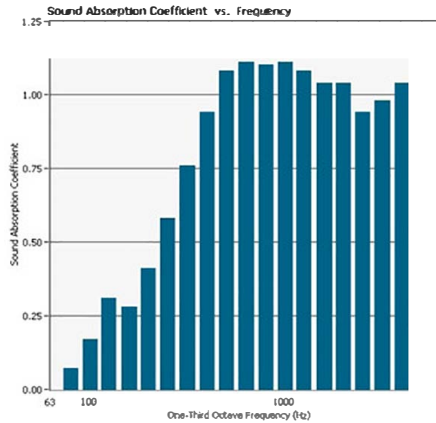
Project No: \_\_\_\_\_  
 Customer: The Acoustics Company  
 Test Date: 08-03-2012  
 Specimen Description: Polyester Acoustic Panel  
 Specimen Dimensions - Area: 72.00' W x 144.00' H - 72.00 ft²  
 Operator: JMW

**Data Table**

	absorption empty (m²)	absorption * (m²)	Absorption Coefficient
80	4.81	0.44	0.07
100	5.15	1.16	0.17
125	2.76	2.05	0.31
160	2.96	1.88	0.28
200	3.74	2.75	0.41
250	3.71	3.86	0.58
315	3.43	5.10	0.76
400	3.60	6.31	0.94
500	3.99	7.22	1.08
630	4.26	7.39	1.11
800	4.73	7.36	1.10
1000	5.03	7.40	1.11
1250	5.45	7.21	1.08
1600	6.17	6.94	1.04
2000	6.97	6.97	1.04
2500	7.75	6.27	0.94
3150	8.61	6.53	0.98
4000	10.25	6.97	1.04
5000	12.20	6.76	1.01

**Room Conditions**

Temperature: 23.0 °C  
 R.H.: 53 %



**NRC**  
**0.95**

**SAA**  
**0.93**

\* based on an extended plane area of 72.00 ft²