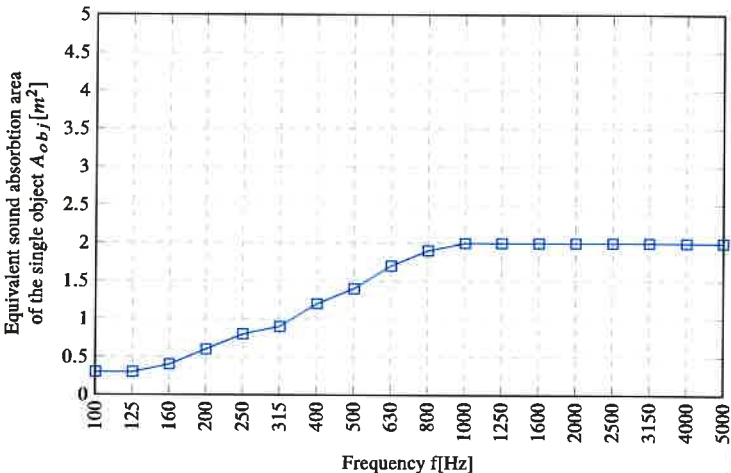
	AGH University of Science and Tehchnology Faculty of Mechanical Engineering and Robotics Department of Mechanics and Vibroacoustics Al. Mickiewicza 30,30-059 Kraków Tel/fax (4812) 617-35-17	Client: Nowy Styl Sp. z o.o. ul. Pużaka 49, 38-400 Krosno 38-400 Krosno																																																																																			
	Measurement of sound absorption coefficient in a reverberation chamber according to PN-EN ISO 354:2005																																																																																				
Sample: Sileo – vertical hanging panels 1600 x 600 x 40	Test date: 26.05.17	Conditions: Sample size [mm]: - Element size [mm]: 1600 x 600 x 40 Element number [no.]: 3 Sample area [m ²]: - Mounting method: single panels hung vertically																																																																																			
Producer: Nowy Styl Sp. z o.o. ul. Pużaka 49, 38-400 Krosno 38-400 Krosno	Temperature with sample t [°C]: 23.9 Temperature without sample t [°C]: 23.8 rel. humidity with sample [%]: 44.0 rel. humidity without sample [%]: 40.5 Microphone positions: 6 Loudspeaker positions: 2 Diffusors number: 5 Chamber volume [m³]: 180,4 Walls area [m²]: 193,6																																																																																				
Sample description: Filling: Polyester felt 40 mm, 100 kg/m ³ Covering: Upholstery fabric																																																																																					
<table border="1"> <thead> <tr> <th>f [Hz]</th> <th>T₁ [s]</th> <th>T₂ [s]</th> <th colspan="2">A_{obj} [m²]</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>10.83</td> <td>7.96</td> <td>0.3</td> <td rowspan="3">0.3</td> </tr> <tr> <td>125</td> <td>7.93</td> <td>6.30</td> <td>0.3</td> </tr> <tr> <td>160</td> <td>8.05</td> <td>6.06</td> <td>0.4</td> </tr> <tr> <td>200</td> <td>9.04</td> <td>5.70</td> <td>0.6</td> <td rowspan="3">0.8</td> </tr> <tr> <td>250</td> <td>9.64</td> <td>5.45</td> <td>0.8</td> </tr> <tr> <td>315</td> <td>9.46</td> <td>4.96</td> <td>0.9</td> </tr> <tr> <td>400</td> <td>8.97</td> <td>4.29</td> <td>1.2</td> <td rowspan="3">1.4</td> </tr> <tr> <td>500</td> <td>7.99</td> <td>3.63</td> <td>1.4</td> </tr> <tr> <td>630</td> <td>8.09</td> <td>3.36</td> <td>1.7</td> </tr> <tr> <td>800</td> <td>7.14</td> <td>2.99</td> <td>1.9</td> <td rowspan="3">2.0</td> </tr> <tr> <td>1000</td> <td>6.43</td> <td>2.73</td> <td>2.0</td> </tr> <tr> <td>1250</td> <td>5.73</td> <td>2.58</td> <td>2.0</td> </tr> <tr> <td>1600</td> <td>4.78</td> <td>2.38</td> <td>2.0</td> <td rowspan="3">2.0</td> </tr> <tr> <td>2000</td> <td>4.21</td> <td>2.24</td> <td>2.0</td> </tr> <tr> <td>2500</td> <td>3.76</td> <td>2.13</td> <td>2.0</td> </tr> <tr> <td>3150</td> <td>3.19</td> <td>1.95</td> <td>2.0</td> <td rowspan="3">2.0</td> </tr> <tr> <td>4000</td> <td>2.74</td> <td>1.79</td> <td>2.0</td> </tr> <tr> <td>5000</td> <td>2.20</td> <td>1.56</td> <td>2.0</td> </tr> </tbody> </table>	f [Hz]	T ₁ [s]	T ₂ [s]	A _{obj} [m ²]		100	10.83	7.96	0.3	0.3	125	7.93	6.30	0.3	160	8.05	6.06	0.4	200	9.04	5.70	0.6	0.8	250	9.64	5.45	0.8	315	9.46	4.96	0.9	400	8.97	4.29	1.2	1.4	500	7.99	3.63	1.4	630	8.09	3.36	1.7	800	7.14	2.99	1.9	2.0	1000	6.43	2.73	2.0	1250	5.73	2.58	2.0	1600	4.78	2.38	2.0	2.0	2000	4.21	2.24	2.0	2500	3.76	2.13	2.0	3150	3.19	1.95	2.0	2.0	4000	2.74	1.79	2.0	5000	2.20	1.56	2.0		
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Stamp: MIA GÓRNICZO-HUTNICZA im. Stanisława Staszica w Krakowie Wydział Inżynierii Mechanicznej i Robotyki Katedra Mechaniki i Vibroakustyki 30-059 Kraków, Al. Mickiewicza 30, p.c. D-1 tel. 12 617-30-64 fax 12 633-23-14 NIP 6750001923	Project manager: dr inż. Jarosław Rubacha jrubacha@agh.edu.pl	Technical specialist: mgr inż. Jacek Frączek dr inż. Jarosław Rubacha																																																																																			