

Absorption normalized impact sound pressure level according to ASTM E1007																																																																					
Field Measurements of Impact Sound Transmission Through Floor-Ceiling Assemblies																																																																					
<i>Customer: AMC Mecanocaicho</i>																																																																					
<i>Assembly description:</i>																																																																					
Structural floor	DLT floor 151 mm (140 mm DLT +11 mm OSB)																																																																				
Interlayer	89mm Rockwool insulation + AMC25																																																																				
Topping	1 layer cement board																																																																				
Surface	NA																																																																				
<i>Receiving room volume: 43.2 m³</i>																																																																					
<i>Sum of deficiencies: 26 dB</i>																																																																					
<table border="1"> <thead> <tr> <th>Frequency (Hz)</th> <th>L_n (dB)</th> </tr> </thead> <tbody> <tr><td>100</td><td>60</td></tr> <tr><td>125</td><td>58</td></tr> <tr><td>160</td><td>56</td></tr> <tr><td>200</td><td>54</td></tr> <tr><td>250</td><td>54</td></tr> <tr><td>315</td><td>52</td></tr> <tr><td>400</td><td>51</td></tr> <tr><td>500</td><td>48</td></tr> <tr><td>630</td><td>46</td></tr> <tr><td>800</td><td>46</td></tr> <tr><td>1000</td><td>48</td></tr> <tr><td>1250</td><td>45</td></tr> <tr><td>1600</td><td>42</td></tr> <tr><td>2000</td><td>42</td></tr> <tr><td>2500</td><td>43</td></tr> <tr><td>3150</td><td>40</td></tr> </tbody> </table>	Frequency (Hz)	L _n (dB)	100	60	125	58	160	56	200	54	250	54	315	52	400	51	500	48	630	46	800	46	1000	48	1250	45	1600	42	2000	42	2500	43	3150	40	<table border="1"> <caption>Data for ANISPL vs Frequency Graph</caption> <thead> <tr> <th>Frequency (Hz)</th> <th>ANISPL (dB)</th> </tr> </thead> <tbody> <tr><td>100</td><td>60</td></tr> <tr><td>125</td><td>58</td></tr> <tr><td>160</td><td>56</td></tr> <tr><td>200</td><td>54</td></tr> <tr><td>250</td><td>54</td></tr> <tr><td>315</td><td>52</td></tr> <tr><td>400</td><td>51</td></tr> <tr><td>500</td><td>48</td></tr> <tr><td>630</td><td>46</td></tr> <tr><td>800</td><td>46</td></tr> <tr><td>1000</td><td>48</td></tr> <tr><td>1250</td><td>45</td></tr> <tr><td>1600</td><td>42</td></tr> <tr><td>2000</td><td>42</td></tr> <tr><td>2500</td><td>43</td></tr> <tr><td>3150</td><td>40</td></tr> </tbody> </table>	Frequency (Hz)	ANISPL (dB)	100	60	125	58	160	56	200	54	250	54	315	52	400	51	500	48	630	46	800	46	1000	48	1250	45	1600	42	2000	42	2500	43	3150	40
Frequency (Hz)	L _n (dB)																																																																				
100	60																																																																				
125	58																																																																				
160	56																																																																				
200	54																																																																				
250	54																																																																				
315	52																																																																				
400	51																																																																				
500	48																																																																				
630	46																																																																				
800	46																																																																				
1000	48																																																																				
1250	45																																																																				
1600	42																																																																				
2000	42																																																																				
2500	43																																																																				
3150	40																																																																				
Frequency (Hz)	ANISPL (dB)																																																																				
100	60																																																																				
125	58																																																																				
160	56																																																																				
200	54																																																																				
250	54																																																																				
315	52																																																																				
400	51																																																																				
500	48																																																																				
630	46																																																																				
800	46																																																																				
1000	48																																																																				
1250	45																																																																				
1600	42																																																																				
2000	42																																																																				
2500	43																																																																				
3150	40																																																																				
Classification based on ASTM E989 - 06																																																																					
AIRC = 58																																																																					
Note:																																																																					