

VIPAC ENGINEERS AND SCIENTISTS																																																																															
FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE																																																																															
		Test	2 of 3																																																																												
4.5mm Desire Flooring LVT																																																																															
PROJECT:	Portside Wharf Stage 2, Promenade, Hamilton	Date of measurement:	4-Sep-19																																																																												
Test Location:	L6 Unit 20610 Living to L5 Unit 20510 Living	Meas. Parameter:	LLeq																																																																												
Test Surface:	4.5mm Desire Flooring LVT	Tapping Machine:	Norsonic 211A																																																																												
Client:	Online Flooring Store	Receiving Room Volume:	84 m ³																																																																												
Test Performed:	Rasika Chandrasekara																																																																														
DESCRIPTION OF FLOOR AND SPECIMEN		No. of Source posn:	2																																																																												
Test Floor:	4.5mm Desire Flooring LVT	Mic. posn:	2 sweeps																																																																												
Type of Underlay:		RT meas:	2 Imp.																																																																												
Type of Adhesive:	Loose laid	SLM:	B&K 2250																																																																												
Ceiling:	Plasterboard ceiling with 400mm air gap																																																																														
Slab:	200mm Concrete Slab																																																																														
Weighted Standardized Impact SPL	L'nT,w	51	ISO 16283-2:2015 & 717-2:2013																																																																												
	FIIC	53	ASTM E1007-97 & E989-89																																																																												
<table border="1"> <thead> <tr> <th>Centre Frequency</th> <th>Stand. Impact SPL</th> <th>Impact Ref Contour</th> <th>Deficiencies</th> </tr> <tr> <th>Hz</th> <th>dB</th> <th>dB</th> <th>dB</th> </tr> </thead> <tbody> <tr><td>100</td><td>< 49.7</td><td>53</td><td></td></tr> <tr><td>125</td><td>< 50.5</td><td>53</td><td></td></tr> <tr><td>160</td><td>< 48.4</td><td>53</td><td></td></tr> <tr><td>200</td><td>< 48.4</td><td>53</td><td></td></tr> <tr><td>250</td><td>< 44.1</td><td>53</td><td></td></tr> <tr><td>315</td><td>< 43.7</td><td>53</td><td></td></tr> <tr><td>400</td><td>< 43.3</td><td>52</td><td></td></tr> <tr><td>500</td><td>< 44.8</td><td>51</td><td></td></tr> <tr><td>630</td><td>< 45.7</td><td>50</td><td></td></tr> <tr><td>800</td><td>< 47.1</td><td>49</td><td></td></tr> <tr><td>1k</td><td>< 46.2</td><td>48</td><td></td></tr> <tr><td>1.25k</td><td>< 45.0</td><td>45</td><td>0.0</td></tr> <tr><td>1.6k</td><td>< 45.9</td><td>42</td><td>3.9</td></tr> <tr><td>2k</td><td>< 46.1</td><td>39</td><td>7.1</td></tr> <tr><td>2.5k</td><td>< 44.9</td><td>36</td><td>8.9</td></tr> <tr><td>3.15k</td><td>< 41.4</td><td>33</td><td>8.4</td></tr> <tr> <td>Total</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Centre Frequency	Stand. Impact SPL	Impact Ref Contour	Deficiencies	Hz	dB	dB	dB	100	< 49.7	53		125	< 50.5	53		160	< 48.4	53		200	< 48.4	53		250	< 44.1	53		315	< 43.7	53		400	< 43.3	52		500	< 44.8	51		630	< 45.7	50		800	< 47.1	49		1k	< 46.2	48		1.25k	< 45.0	45	0.0	1.6k	< 45.9	42	3.9	2k	< 46.1	39	7.1	2.5k	< 44.9	36	8.9	3.15k	< 41.4	33	8.4	Total						
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