

# appendix 27

## acoustic fence specifications, Nayland South industrial area

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### **AP27.1**      **general**

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AP27.1.i      All fencing to be carried out by skilled tradespeople in accordance with the best trade practice and to the requirements of all local bylaws and the New Zealand Building Code.

**Note:** any fence over 2m high requires a building consent.

AP27.1.ii      The fence shall be no less than 3m full height along its length, continuous with no gaps, and have the lower edge of cladding material covered by a minimum of 50mm of earth to ensure no gaps.

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### **AP27.2**      **timber - general**

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AP27.2.i      All timber is to comply with NZS3631: 1988 and NZS3602: 2003. Use all new timber. All timber shall be strongly nailed using galvanized nails.

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### **AP27.3**      **posts**

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AP27.3.i      H4 treated timber (to NZTPA specification), size and in-ground depth to be specified.

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### **AP27.4**      **rails and intermediate members**

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AP27.4.i      H3.2 treated timber (to NZTPA specification), 100 x 50mm.

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### **AP27.5**      **capping rail**

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AP27.5.i      H4, 150 x 50mm with all joints mitred.

**AP27.6 cladding**

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AP27.6.i New, flat and unblemished sheets of minimum 9mm compressed fibre cement. Cladding weight to be not less than 15kg/m<sup>2</sup> (9mm = 17kg/m<sup>2</sup>).

AP27.6.ii Hardipanel cladding to be placed on the side facing the Industrial Zone.

AP27.6.iii Attach using 40mm galvanized flat head nails, at no greater than 200mm spacing. All joins to be over posts, or intermediate members i.e. No gaps. Use silicon based all weather sealant to plug air gaps where gaps appear.

**AP27.7 footing**

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AP27.i Footing depth to be certified by registered engineer. Concrete to be finished by hand 50mm above local ground level around posts, except on the side with cladding face. This side to be finished 55mm below ground level allowing for the cladding to be mounted 50mm below local ground level.