

## Timber potato box design submitted for assessment to BS 7611 class 6 or 8

### Checklist for manufacturers - component testing

BS 7611: *Potato boxes*, covers high-stacking bulk potato boxes and performance testing and is one of the toughest British Standards for a manufacturer to meet. Concentration on weak-link components is a faster cheaper way to assess whether a design would meet 7611 rather than pass/fail box testing in full-size.

Potato boxes rely on high performance fastenings, so for steel nails we use the BS ISO 12777 *Static-bend test method*, if we find ring nails fail the test for minimum strength, we work out a change together. The performance guide used is BS EN ISO 15629: 2002: *Fasteners for assembly of new wooden flat pallets*".

**Deliveries:** please use **Royal Mail** for all deliveries

### Steel hardware specimens required:

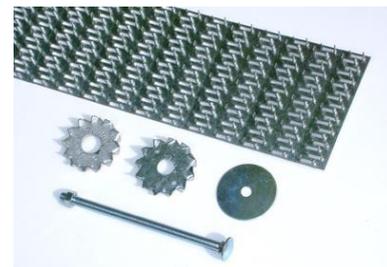
Nailplate width and length as used (cut in half for easier carriage) 1 off\*

Nails used for sheathing to posts 10 off\*

Nails used elsewhere (if different) 10 off\*

Coach bolt (if used) with washer and nut 1 off each

Non-standard items used eg. toothed shearplates, corner reinforcers



### Timber specimens:

Supply wet or dry for density and EN quality grade, exactly as used in box long side boards, one single ...30cm length and a second 30cm long if thinner material is used for box deck or box ends \*

List species of wood expected for use, eg. European redwood, Sitka spruce, Scots pine, larch\*

Any diagonal wood braces used, any drying special end fixing detail (eg. toothed shearplate above)

**Box manufacturer:** name/reference, specification, equipment any external lab test results:

Drawing showing box dimensions, fastenings position, sizes and thicknesses of deckboards/ sides\*

Proprietary punched-steel nailplate manufacturer test data eg. WIMLAS or Agrément certificate\*

Drawing showing nailplate position, length and width, photo of press used\*

Photograph of finished box, underneath, box side, box end (at least 2 in sharp focus)\*

Nail suppliers data if available eg. bend strength, country of manufacture (often on box label)

If wood drying is part of your final product, a moisture meter calibration certificate.

**Items marked\*** are essential to complete the assessment

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