

## **Method Statement For Engineered Hardwood Flooring**

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### **Pre-installation**

1. The building should be closed with all outside doors and windows in place.
2. The parquet can be laid free floating or glued on the subfloor. It should be laid on a clean, dry, level and firm surface.
3. Check the moisture content of subfloor screed with Testo 606-1 High Quality Heavy Duty Germany-Built Moisture Meter or equivalent to ensure that the surface is dry. The parquet can be laid if the MC level of the subfloor screed is below 4%. For new building, damp proofing has to be provided.
4. The wall coverings should be in place and the painting completed except for the final coat on the base moulding. When possible, delay installation of base moulding until flooring installation is complete.
5. Exterior grading should be complete with surface drainage directing water away from the building. All gutters and downspouts should be in place.
6. Lightweight concrete flooring in room without basements and warm or damp rooms should be covered with damp proofing material consisting of 0.2mm plastic sheeting before the parquet is laid.
7. Subfloor must be;  
  
EVEN - Check the surface of the sub-floor for unevenness using a rule or a piece of parquet. The maximum tolerance for the unevenness of the surface should be 2mm over 700mm or 4mm over 2000mm.  
  
CLEAN - Scrape, broom clean, and smooth. Free of wax, paint, oil, sealers, adhesives, curing agents and other debris.  
  
STRUCTURALLY SOUND - Nail or screw any loose areas that squeak. Replace any water-damaged, swollen or delaminated subflooring or underlayment. Avoid subfloor with excessive vertical movement unless they have been properly stiffened prior to the installation of the wood flooring.
9. Concrete flooring should be leveled down with suitable fillers and sub-floors made of particleboard or wood should be sanded down. Before sanding check the fastening of the old wooden flooring and nail down if necessary.
10. A damp proofing material consisting of 0.2mm thick plastic sheeting is always recommended for concrete sub-floors. The film is laid with the edges overlapping by about 20cm and the seams sealed with adhesive tape.

11. 3mm rubber underlay is glued to the sub-floor using Bostic glue. This underlay is to cover any unevenness and to absorb the noise. Remember to allow the clearance between the door frame and the floor by about 17mm so that the parquet can be laid underneath.
13. Any non-conformances will be listed on Pre-installation Checklist Form and be submitted to Main-con for further action.

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### **General Installation Instruction for Engineered Hardwood Flooring**

1. An expansion gap at least 10mm (for rooms up to maximum of 8 meters width) must be provided between the edges of the parquet boards and the wall or other fixed structures, such as heating pipes or door frames. In very large rooms this gap is not sufficient and in such cases the necessary gap width is calculated by multiplying the maximum room width (in metres) by 1.5mm. Use wooden wedges for maintaining the expansion gaps during installation.
  2. Visual inspection on unpacking of floorboard to determine tonality and colour prior to installation.
  3. We recommend that the parquet boards are laid parallel to the direction of the main light source. We recommend that the first board be laid against the wall with the grooved edge facing the wall.
  4. If the wall you start laying is not straight, you will need to fit the boards to the shape of the wall by laying the first row against a string. Begin each new row with an off cut left over from the previous row. The distance between the end-joints of adjoining boards must be at least 50cm.
  5. Bostic glue is applied to the back of Engineered Floorboard. Apply glue to the tongue & groove profile. Tap the individual boards into the groove using a protective wood block of 30-40 cm in length between the hammer and the tongue edge.
  6. Saw the last row of parquet into its correct width taking into account the expansion gap required. Use a specialized tool – knock in the last board.
  7. After the installation, cover the expansion gap with skirting and fasten by nailing or with dowels. The skirting should not rest too tight on the parquet to allow for free movement of the flooring.
  8. Protect the completed floor against scratches with 0.2mm PE sheet.
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