

## **Wicked Wood™ Flooring – 16mm Export Specification - January 2005**

Wicked Wood is a unique perfect grade (as used in furniture) timber flooring product available in almost any species designed to take the place of carpet, vinyl and other timber floorings, manufactured so that there are none of the normal problems of changes in size with moisture content. No acclimatisation time is needed thus allowing immediate gluing down to any level surface including concrete.

### **Typical Physical Properties**

Finish	- Presanded in the factory - DO NOT RESAND - Coating after installation may be in gloss, satin or matt
Standard Size	-2400mm x147mm & 600mm x 600mm (+/- 0.4mm). Other sizes cut from 2400x1200 sheet are available
Standard Thickness	-16mm for use on very flat surfaces.
Dimensional Stability	-0.015 to 0.02% per 1% m.c. change
Thermal Conductivity	-0.045 to 0.075 kcal/m/deg C
Acoustic Properties	-16mm will achieve STC class of 28dB (when tested to Australian Standards)
Average Density	-730kg/m <sup>3</sup>
Moisture Content	-7% to 12%mc
Water Resistance	- Will pass 6 hour boil test for plywood - May stain if left wet for extended periods

### **Usage Features**

Direction of Laying	-May be laid in any direction
Hole Coverage	- Will cover holes up to 75mmx50mm only if there is no join over the hole. - Unsupported edge spans of 20mm are satisfactory
Species Range	-Over 200 species available including unique Australian Hardwood and exotic species
Life	-With proper maintenance, use and repair if damaged, Wickedwood will give good service for many years: not recommended for wet areas.
Areas for Use	-May be fixed to any surface that can be glued to and is not exposed to the weather.
Wet or Damp	-Damp proofing of the surface prior to fixing is recommended to reduce the risk of mould growth.
Levelling of Uneven Supporting Surfaces	-Apply Vibro Ardur K15 to the manufacturer's instructions (NB minimum thickness added is 2mm). A layer of 12mm plywood over concrete makes installation easier
Glue	- Use <b>Kleiberit elasticised polyurethane glue</b> . Wicked Wood needs at least 60mm of glue cover on all edges and elsewhere at least 25% of the surface to be covered with maximum spaces between glue of 100mm. Spread glue with a 2mm notched trowel. - If an uneven surface requires an edge to be held down then a panel pin into a wooden floor may be used or generally, contact adhesive will be satisfactory.
Coating	- Polyurethane or equivalent floor coating must be used. Feast Watson's Floorproof is recommended. Gloss, satin or matt finishes are satisfactory. Gloss will provide a thicker surface coating. At least two coats are needed and heavy traffic areas need three. Special care will be required for commercial applications. Please contact the manufacturer. - Water based polyurethane will give a finish closer to the raw, sanded wood colour. Solvent based products will cause a slight darkening of the wood colour and highlight the grain
Cleaning	- Spray with a wax water emulsion at one month to one week intervals and mop off with a damp mop.
Repair	- Scratches - Clean all wax or oil off in the area of the scratch with soap and water, then lightly hand sand, vacuum any dust and apply a new coat of polyurethane - Indentations - Clean as above and fill the depression with polyurethane - Gouges - Gouges through the surface may be repaired by taking out the damaged tile or section and replacing. - NB: use a chisel around the outside edge of the tile being replaced to break the glue bond of the polyurethane between tiles
HOW TO SPECIFY	- Nominate the following: <b>WICKEDWOOD FLOORING and the SPECIES and SQUARE METRES or NUMBER of SHEETS of STANDARD or SPECIAL SIZE</b> . If matching finishing timbers are required please advise.

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Specification subject to change without notice.

Also available for panelling and furniture, cupboards and shelving - any job requiring high quality timber.

## Stability

There will be no cracks or open joints in your Wicked wood floor for spillages to leak through. Your Wicked Wood floor is made out of a dimensionally stable material and will not suffer from the problems of expansion and contraction which occur with changes in moisture content of its surroundings. It is recommended for use in all domestic interior applications except where prolonged periods of wetting may occur such as bathrooms and laundries.

## Protection

Wicked Wood Flooring is a new product that has been developed to meet the increasing demands for beautiful timber floors and is available in tiles or strip flooring and parquetry type flooring giving the warmth and beauty of timber. The surface coating provides protection for the high quality thin surface. Wicked Wood is suitable for laying over existing timber floors including particleboard, plywood and strip flooring. It is suitable for concrete slabs provided the concrete is surface dry before application. The glue now used is able to stick to concrete after 6 weeks of dry weather under cover. Pale coloured species should have the concrete dried more to prevent blue stain of the wood surface.

## Environmental Considerations

Wicked Wood Flooring uses a layer of high quality timber over the more readily available and relatively affordable layers of wood generally sourced from hardwood plantations. This results in a floor meeting the demands for maximum utilisation as well as the sustainable use of resources.

## Availability

Wicked Wood Flooring is supplied as standard in tile form each 60cm x 60cm, or in strips 198mm or 148mm wide and is approximately 10mm thick. It is also available in any cut to size shape up to 2.4m x 1.2m and in a full range of species with a lead time of approximately three weeks. Because

it is plywood it may be easily cut to any size required to fit in with job requirements.

Marquetry or sunburst patterns can be readily made for that extra special effects. Australian veneers are mostly used with a full range of veneers from around the world also available. Solid timber in most Australian species can also be supplied to complement your selection of Wicked Wood.

## Easy to Use

You need only a few simple tools - most floors can be laid using a fine saw, sand paper, hammer, tape measure and pencil. Wicked Wood Flooring is recommended for use as a decorative finish over existing floors in the place of carpet and other coatings and for new floors.

## Preparation

The surface that the floor is to be laid on must be smooth without any projections or ridges, which will unevenly push Wicked Wood out of alignment. Holes up to 6cm x 6cm may be readily covered provided they do not occur at the edge of a sheet. Grooves in the supporting surface up to 1cm wide may also be readily covered. If the floor to be covered is excessively uneven and cannot be sanded flat then the practice used for laying vinyl should be adopted with a hardboard underlay to give a smooth surface. Floors with undulations of up to 6mm per 4m length may be readily covered with smaller sections. In the event that a corner cannot be easily held down then a panel-pin skew nailed through the edge may be used to curve the flooring to the required shape. In the worst situation a face nail (small head) may be used provided it is punched and puttied.

## Laying

To commence laying, after the surface has been levelled, you must first choose a satisfactory point for the visual qualities you are wanting to achieve. For instance you may commence laying at a juncture between rooms or a door opening. When you reach the edge of the room or areas you wish to leave uncovered, cutting of the panels will be required by laying the panel adjacent to the edge and measuring back and marking the required amount and cutting to give the required shape to fit.

## Cutting

Care should be taken not to tear the surface off the face when cutting. Handsaws may be used and the sheet cut face up. Power saws should be used with the blade just cutting through the panel and with the panel face down. For corners it may be necessary to scribe through the face before cutting. If required a cornice can be used to cover the small gap which may occur at the edge of a room.

## Installation

The floor should be glued to the smooth prepared surface using Kleiberit elasticised polyurethane glue. The gluing should be carried out in accordance with the manufacturer's recommendations. For extremely bad or damaged surfaces to be covered, especially if they are likely to move differentially, it is recommended that each corner of the Wicked Wood material be screwed through to the underlying support layer. (An old vinyl floor was successfully coated this way without removal of the damaged vinyl or poor quality supporting floor.) Wicked Wood needs at least 60mm of glue cover on all edges and elsewhere at least 25% of the surface to be covered with maximum spaces between glue of 100mm. Spread glue with a 2mm notched trowel.

Once laid the floor should be coated with at least two and preferably three coats of polyurethane suitable for flooring application in accordance with the manufacturer's recommendations. It is important to understand that the surface treatment is relied upon for longevity and in areas of very heavy traffic more coats may be required. A satin finish is much easier to apply and the use of gloss finishes is not advised by anybody but the expert floor finishers. For a high quality finish a light sanding by hand or with an orbital sander before the final coat will enhance the smoothness and appearance. It is easy to use being a long wearing, single pack, low odour, moisture cured speciality product for this application and is available from all leading hardware outlets. With this product you can finish your floor on a wet day without the usual problems of slow drying. It will not be adversely affected by occasional wetting.

**Under No Circumstances is the floor to be sanded except lightly by hand or by an orbital sander with a fine grit. It has been pre-sanded in the factory.**

## Maintenance

Your finished floor can be treated like any other timber floor and is exposed to the same risks from grit - the bane of all high quality floors. For this reason mats are strongly recommended where people will be walking dirt onto the floor. For normal domestic uses an anti-static dry mop is recommended. A damp mop may be used for cleaning at the same intervals that vacuuming would be applied for carpet maintenance. Additionally for heavy traffic areas, immediately after the initial laying and at between weekly and monthly intervals depending on usage, a suitable timber floor "mop on wax" cleaner may be used in accordance with the manufacturer's recommendations. There are a number of specialty product manufacturers supplying timber floor maintenance chemicals - please contact your Wicked Wood supplier for details.

## Repair

Unightly marks may often be repaired by washing with hot water. A hot wet cloth laid over a dent will often allow the wood to naturally recondition and nearly return to its original flatness. If necessary the surface can be very lightly sanded with an orbital type sander with a fine grit and re-coated with the same original polyurethane finish. To prevent unightly marks the area to be recoated should be masked along a joint in the floor prior to sanding and recoating.

In the event of a gouge which cannot be repaired by recoating, the tile or board section which has been damaged may be readily removed by drilling through the surface and chiselling the damaged section out of the floor. Before attempting this, a chisel should be run around the edge of the section at a joint and driven to a depth below the polyurethane coat to help prevent tear out of undamaged sections. Under no circumstances should a floor sander be used on this floor. Replacement sheets are obtainable which will largely match the existing floor. The best way to select these is to come to the manufacturer's warehouse and inspect and approve the veneer to be used prior to purchase.

## Guaranteed Quality

Because each sheet of veneer is individually inspected prior to pressing onto the supporting plywood the quality of every sheet is known. In fact, if customers wish they may inspect the veneers for their flooring prior to final manufacturing. The quality of the surface veneer is guaranteed for visual and structural properties.