

# The Specifiers Guide

Chipboard

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This guide details a full range of Chipboard products along with technical data for all specifications



# Chipboard Panels which are Suitable for a Variety of Applications

## High quality Chipboard panels

Particleboard, or chipboard, consists of woodchips, flakes, shavings and sawdust which are compressed and bonded with heat and resin. It has smooth surfaces without knots or voids. Most chipboards incorporate recycled chipped timber of which the proportion used in UK manufactured panels is typically between 65%-70%.

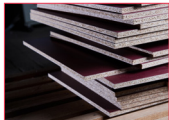
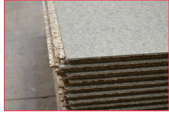
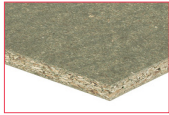
The manufacture of chipboard originated from the objective of utilising wooden waste and has since evolved into a carefully controlled and refined production process. Boards are now produced with smooth, sanded faces which allows for lamination, veneering and painting.

**Key attributes of Chipboard panels include:**

- Easy to cut
- Consistency throughout
- Excellent heat insulation
- Smooth appearance
- Uniform volume density

Chipboard to be used in construction in Europe must comply with the Construction Products Regulation and be CE marked. In order to be CE marked, the product must comply with the harmonised European standard for wood-based panel products, EN 13986. This harmonised standard refers to EN 312 in order to specify chipboard panels.

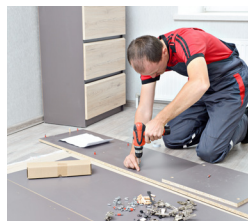




Product & Applications	Key Features
<b>P1</b> <ul style="list-style-type: none"> <li>Veneering</li> <li>Laminating</li> <li>General Joinery</li> </ul>	<ul style="list-style-type: none"> <li>Versatile</li> <li>Easily machinable</li> <li>Smooth faces</li> <li>Cost effective</li> </ul>
<b>P2</b> <ul style="list-style-type: none"> <li>Furniture</li> <li>Veneering</li> <li>Laminating</li> <li>General joinery</li> <li>Shop/Barfitting</li> </ul>	<ul style="list-style-type: none"> <li>Versatile board</li> <li>High strength &amp; density</li> <li>Easily machinable</li> <li>Smooth faces</li> <li>Cost effective</li> </ul>
<b>P3</b> <ul style="list-style-type: none"> <li>Kitchens</li> <li>Bathrooms</li> <li>Washrooms</li> <li>Partitions</li> <li>Packing</li> </ul>	<ul style="list-style-type: none"> <li>Moisture resistant</li> <li>Easy to cut, saw &amp; machine</li> <li>Low thickness swelling</li> <li>Smooth surface</li> <li>High density</li> </ul>
<b>P4</b> <ul style="list-style-type: none"> <li>Flooring</li> </ul>	<ul style="list-style-type: none"> <li>Primarily tongue &amp; grooved</li> <li>Suitable for structural applications</li> </ul>
<b>P5</b> <ul style="list-style-type: none"> <li>Flooring</li> </ul>	<ul style="list-style-type: none"> <li>Moisture resistant</li> <li>Primarily tongued &amp; grooved</li> <li>Protective non-slip film applied</li> <li>High density</li> <li>BBA approved</li> </ul>
<b>P6</b> <ul style="list-style-type: none"> <li>Mezzanine floors</li> </ul>	<ul style="list-style-type: none"> <li>Primarily tongue &amp; grooved</li> <li>Suitable for heavy-duty structural applications</li> </ul>
<b>P7</b> <ul style="list-style-type: none"> <li>Mezzanine floors</li> </ul>	<ul style="list-style-type: none"> <li>Moisture resistant</li> <li>Primarily tongue &amp; grooved</li> <li>Suitable for heavy-duty structural applications</li> <li>High density</li> </ul>
<b>Melamine Faced</b> <ul style="list-style-type: none"> <li>Furniture</li> <li>Laminating</li> <li>General joinery</li> <li>Shop/Barfitting</li> </ul>	<ul style="list-style-type: none"> <li>Easily machinable</li> <li>Cost effective</li> <li>Smooth faces</li> <li>Versatile board</li> <li>Extensive choice of surface textures</li> </ul>
<b>Fire Retardant</b> <ul style="list-style-type: none"> <li>Furniture</li> <li>Door blank cores</li> <li>Wall skins</li> <li>Laminating/Veneering</li> <li>General Joinery</li> <li>Shop/Bar fitting</li> </ul>	<ul style="list-style-type: none"> <li>Euroclass B/C fire ratings</li> <li>Mechanically strong</li> <li>Product class P2</li> <li>Tongued &amp; grooved joints (optional)</li> </ul>

## Chipboard Quick Reference Guide

Type	Application & Climatic Conditions	Use Classes (EN 335)
P1	Internal, non-structural applications	Use Class 1
P2	Internal, non-structural furniture items	Use Class 1
P3	Non-structural applications similar to those listed under P2 above. However, P3 is suitable for use in humid conditions	Use Classes 1 & 2
P4	Internal, structural applications	Use Class 1
P5	Structural applications similar to those listed under P4 above, however P5 is suitable for humid conditions	Use Classes 1 & 2
P6	Heavy-duty internal structural applications	Use Class 1
P7	Heavy-duty structural applications in humid conditions	Use Classes 1 & 2



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