

# MECHANICAL PROPERTIES OF WOOD PLASTIC COMPOSITES (WPC)

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**Abstract:** *WPC are composite materials with a wide range of applications in a number of market sectors. WPC are composites made of wood and plastic component. Some applications, such as outdoor products (decking, fencing and garden/outdoor furniture), doorframe profiles and window profiles, require production with appropriate proportion of recycled plastics and secondary wood processing waste and feedstocks. The selection of raw materials, composition, production method and parameters of the process will effect on the final WPC properties. The influence of wood component application on the WPC mechanical properties will be discussed in this work and the typical cases will also be presented.*

**Key words:** *wood plastic composites (WPC); application of wood plastic composites; influence of wood component on the mechanical properties of WPC.*