

MULTIFUNCTIONAL BAMBOO SCRIMBER OR WOOD FREIGHT CONTAINER AND MANUFACTURING METHOD THEREOF

ABSTRACT

5 The present invention discloses a multifunctional BS or wood container and a preparation method thereof, belonging to the field of cargo transportation equipment. The multifunctional BS or wood container is composed of an AFRP-steel-BS/wood frame structure with anti-corrosion, anti-mildew and anti-ultraviolet coatings on the surface, and an enclosure structure. Existing containers primarily use metal materials as the main load-bearing components, while
10 the present invention fully utilizes the advantages of AFRP and BS/wood, such as light weight, high strength, corrosion resistance and environmental protection, to effectively solve the problems existing in traditional metal containers, such as large weight, easy corrosion, and high resource consumption. In addition, it can reduce transportation costs, improve the service life of containers, promote the development of the container industry towards a green and
15 sustainable direction, and provide a more efficient, reliable, and environmentally friendly solution for cargo transportation.