HARDNESS PROPERTIES OF RUBBERWOOD FINISHING EFFECTED BY FINISHING MATERIALS AND CURING VARIABLES

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ABSTRACT

HARDNESS PROPERTIES OF RUBBERWOOD FINISHING EFFECTED BY FINISHING MATERIALS AND CURING VARIABLES

Finishing is the last process of manufacturing furniture. But, it is the most important process that will determine the value of the furniture. Rubberwood is also the most famous raw material used to produce the furniture. These study purposes are to determine the hardness of the film coating on the rubberwood with different lacquer and drying time. Hardness pencil testing was used to determine its hardness properties. Polyurethane lacquer gives the highest grade follow by acid catalyst lacquer and nitrocellulose lacquer. However, polyurethane lacquer needs long time for complete cure. Nitrocellulose lacquer has short drying time but has poor film hardness properties. Acid catalyst lacquer has moderate hardness properties and does not require too much time to dry.