

# Evaluating Of the Principles in the Regulations for Construction of Timber Structures in Türkiye

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Timber buildings, a part of the Anatolian tradition, have an effective and important place in traditional Turkish architecture. In 16th Century residential architecture in Anatolia had formed by the use of timber. It can be said that the timber structures built between 16<sup>th</sup> and 18th centuries were more advanced in technique and understanding than the other examples of the same era. Also during the Ottoman Empire in Anatolia, it is known that the majority of homes were timber buildings.

From the beginning of the 20th century, timber structures had left their places to other construction systems. Timber structures that are widely used in Anatolia are facing a decrement in production. Today in Turkey, which sits on several earthquake zones, timber is known to be used as part of the carrying system considering the strength of it during an earthquake and the advantages in practice.

Wood has an important place in today's building material scala because of its superior physical and mechanical properties. Today wood is use for constructing of residential and large span structures in developed countries. Since timber has taken its place in construction world in Turkey, it has been used successfully during the process of development of construction technology and used as a civil architecture structure for a long time. Today practices in Turkey cannot reach the level of production technology of timber structures around the world that develops with the world-changing technologies. It is also observed that timber structures are not preferred in construction sector in Turkey. Widespread usage of reinforced concrete systems can be considered as one of the main reasons why timber structures are not preferred. In addition to this, many factors may lead to this result as well. Multi-faceted and systematic research is needed to identify and solve this problem. In this study in order to determine the role of these for timber structures not to be preferred, a link has been established between past and present investigating which rules were/are valid in construction of timber structures in Turkey; the rules in the regulations regarding the construction of timber buildings in Turkey are identified and evaluated.

**Keywords** timber structures, regulations, Türkiye, codes

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