

Building Materials
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Lecture
Wall Finishes

Cork sheet and tiles

Cork is an impermeable buoyant material, the phellem layer of bark tissue that is harvested for commercial use primarily from *Quercus suber* (the cork oak), which is endemic to southwest Europe and northwest Africa.

Cork is composed of suberin, a hydrophobic substance. Because of its impermeable, buoyant, elastic, and fire retardant properties, it is used in a variety of products, the most common of which is wine stoppers.

The montado landscape of Portugal produces approximately half of cork harvested annually worldwide, with Corticeira Amorim being the leading company in the industry. Cork was examined microscopically by Robert Hooke, which led to his discovery and naming of the cell.



uses :-

1. Cork is used in musical instruments, particularly woodwind instruments, where it is used to fasten together segments of the instrument, making the seams airtight. Low quality conducting baton handles are also often made out of cork.
2. It is also used in shoes, especially those using welt construction to improve climate control and comfort.

Because it is impermeable and moisture-resistant, cork is often used as an alternative to leather in handbags, wallets and other fashion items.

3. Cork is used to make later-model pith helmets and also use for flooring work.
4. Cork is used as the core of both baseballs and cricket balls. A corked bat is made by replacing the interior of a baseball bat with cork



cork sheet





cork tile