Izglītības programma: koka izstrādājumu dizains

Kvalifikācija: mēbeļu dizaina speciālisti

Mācību priekšmets: profesionālā angļu valoda

Skolotājs: D.Cine

Tēma: plātņu materiāli

Resursi: *Wikipedia,* Soroka, W (2008). Illustrated Glossary of Packaging Terms. Institute of Packaging Professionals. p. 81.

**Boards**

**Medium-density fibreboard** (**MDF**) is an [engineered wood](https://en.wikipedia.org/wiki/Engineered_wood) product made by breaking down hardwood or softwood residuals into [wood](https://en.wikipedia.org/wiki/Wood) fibres(*koksnes škiedras*), often in a [defibrator](https://en.wikipedia.org/wiki/Defibrator), combining it with [wax](https://en.wikipedia.org/wiki/Wax) and a [resin](https://en.wikipedia.org/wiki/Resin) binder, and forming panels by applying high [temperature](https://en.wikipedia.org/wiki/Temperature) and [pressure](https://en.wikipedia.org/wiki/Pressure)*(spiediens*) . MDF is generally denser(*blīvāks)* than [plywood](https://en.wikipedia.org/wiki/Plywood). It is made up of separated fibres, but can be used as a building material similar in application to plywood. It is stronger and much denser than [particle board](https://en.wikipedia.org/wiki/Particle_board)*(kokskaidu plāksne*) .

The name derives(*atvasināts*) from the distinction (*atšķirība*) in [densities](https://en.wikipedia.org/wiki/Density) of [fibreboard](https://en.wikipedia.org/wiki/Fibreboard). Large-scale production of MDF began in the 1980s, in both North America and Europe.

**Hardboard***(saplāksnis),* also called **high-density fiberboard** (**HDF**), is a type of [fiberboard](https://en.wikipedia.org/wiki/Fiberboard), which is an [engineered wood](https://en.wikipedia.org/wiki/Engineered_wood) product.

It is similar to [particle board](https://en.wikipedia.org/wiki/Particle_board) and [medium-density fiberboard](https://en.wikipedia.org/wiki/Medium-density_fiberboard), but is [denser](https://en.wikipedia.org/wiki/Density) and much stronger and harder because it is made out of exploded [wood fibers](https://en.wikipedia.org/wiki/Wood_fiber) that have been highly compressed. It differs from particle board in that the bonding of the wood fibers requires no additional materials,[]](https://en.wikipedia.org/wiki/Hardboard#cite_note-3) although [resin](https://en.wikipedia.org/wiki/Resin) is often added. Unlike particle board, it will not split or crack.

Hardboard has long been used in [furniture](https://en.wikipedia.org/wiki/Furniture), but it is also popular for use in the [construction](https://en.wikipedia.org/wiki/Construction) industry and with trades as a temporary floor protector. Hardboard has become less popular over recent years due to new environmental targets in the construction industry to procure more sustainable temporary protection materials.