



## MDF fibreboard

MDF (Medium Density Fibreboard) is wooden fibreboard of medium density, made by wood fibre agglutination with synthetic resins, through a dry and hot-pressing process. It presents a compact, even and homogeneous surface (higher quality than shavings boards), free from uneven patches, which ensures a better dimensional stability. Used without coating (raw) and in almost every kind of coatings (melamine, high pressure laminates, wood veneer) or possible finishing (wood stains, varnish or lacquer). Thus, it is appropriate for general use, especially for furniture and decoration.

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## chipboard particles

Chipboard board panels are made of agglutinated wood particles with urea-formaldehyde resins (UF), under high temperatures and pressure, to apply in dry environments. It is a three layer plank with a raw, even and regular surface, which is very versatile in terms of its possible uses. It is used without coating (raw) and in almost every kind of coatings (melamine, high pressure laminates, and wood veneer) or possible finishing (wood stains, varnish or lacquer). Thus, it is appropriate for general use, especially for furniture and construction.

OSB oriented strand board OSB Chipboards



## Panels MDF, chipboards, OSB, plywood

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## OSB chipboards

oriented strand board

É um painel aglomerado de partículas longas (feitos de pequenas aparas finas de madeira e de restos de folhas de madeira) e orientadas, coladas a alta pressão e sob elevadas temperaturas.

A diferença principal reside no tipo de material (densidade, se é mista ou só de folhas de madeira leves) e nas propriedades do tipo de cola WBP-water boiled proof (colagem resistente à água): fenólica (mais resistente) ou melamínica ou MR-moisture resistant (colagem resistente à humidade).

No mercado utilizam-se sobretudo para uso exterior: OSB-3 e OSB-4 (paredes divisórias, forro de telhados, revestimento de paredes, prateleiras).

Já o OSB-1 e OSB-2 é utilizado para interiores: embalagens, soalhos, móveis, topos de paletes, cofragem temporária.

O OSB é comercializado em bruto, podendo também ser comercializado lixado ou macheado (para encaixe com macho e fêmea).



## Plywood

sliced wood, peeled and technical

Panel formed by an odd number of sheets perpendicularly overlapped, and glued in between with synthetic resins, under pressure and high temperature, which make it a product with great stability, mechanical resistance, tensile strength and with a low level of cracking and warping. It can hold several types of coatings.

Depending on the way the leaf is taken from the trunk of the tree, the plywood can present two shapes: sliced plywood or plane cutting plywood (commercially known as decorative) and peeled plywood. These configurations are divided into several classes, depending on the type of gluing (C1, C2 e C3), depending on the particular use.

Further, we can consider a third type of plywood, that besides the way how the leaf is extracted, it has several technical features (maritime, formwork, slip-resistant, etc.).

