



CHIPBOARD PANELS

Consisting of crushed and compressed wood particles, and agglomerated with glue. They have taken water and are blistered.

CHIPBOARD PANELS



Sorting centre

INCINERATED

These panels contain glues and impurities which make it a hazardous waste, because it is toxic.

They will be shredded and sent to an energy production chain to be incinerated.

① They cannot be used for stoves or open fires, because the fumes are too polluting (treated wood can emit organic compounds and heavy metals into the atmosphere, and the glues emit gases that deteriorate masonry chimney flues).



DOUBLE GLAZED PVC WINDOW

The frame does not close properly anymore, it's distorted, the double glazing has internal condensation .

DOUBLE GLAZED PVC WINDOW



Sorting centre

This frame is made of different materials. The recycling companies take charge of its dismantling, so that each element arrives in the right recycling system.

The chances of good recycling will be increased if the frame is taken over by a carpenter who has the expertise and the access to a frame recycling chain (individuals don't have direct access to it).

RECYCLED : The double glazing preferably arrives in its entirety to facilitate the sorting by color, quality,... Impurities (traces of ceramic, plastic, metal or other) will be removed.

The **pure glass** is crushed and partly replaces the raw materials in the melting furnace of the glassmakers. Depending on its quality, it will be recycled in glass, in packaging (bottle, jars,...), windscreen or glass wool.

Glass that is **not pure** will be either crushed or mixed with other inert waste to be used in foundations or road foundations, or it will be buried, because it is incombustible in the incinerator.

The metal **hardware** will be taken over by metal recycling channels.

At best, the **PVC frames** will be recycled, to be reinjected into the production of new frames. At worst, they will be buried in a CET (Technical Landfill Center), because PVC contains chlorine that pollutes too much, when incinerated.



SOLID WOOD FLOOR GLUED TO OSB

The floor suffered water damage. The OSB support is rotten and decomposes.

SOLID WOOD FLOOR GLUED TO OSB



Sorting centre

INCINERATED

The glue is so strong that the parquet is indissociable from the OSB support. Therefore, this floor has become unrecoverable for reuse.

At the sorting centre, it will be considered as treated wood and can only be used for energy recovering. It will therefore be incinerated in an industrial heating unit equipped with filters that reduce pollution.



WOOD DECK BOARDS

Untreated exotic wood, in poor condition

WOOD DECK BOARDS



Sorting centre

RECYCLED or **INCINERATED**

Due to the fact that it is not treated, the wood can be recycled. The wooden slats will be crushed. The resulting sawdust will be either recycled (+/- 75%) to make panels (MDF, chipboard, ...) or incinerated (25%) to feed cement kilns for example.

For information: We distinguish three categories of wood :

Grade A wood is non-treated, non-contaminated wood, (e.g. framework and structure, formwork, glazing bars): it's recyclable (current rate estimated at 75% and 25% incinerated).

Grade B wood is either treated and non-impregnated solid wood (e.g. painted or varnished wood (frames, solid parquet), it is 85% incinerated and 15% recycled.

Or some composite wood products (e.g. fiberboards (laminated/rolled, agglomerate (MDF, OSB), multiplex,...), 95% incinerated and 5% recycled

Grade C wood is impregnated and chemically treated wood (e.g. railway sleepers , wood for carport, outdoor toys, garden screens, ...), 100% incinerated.



HEAP OF RUBBLE

This heap of rubble is a mixture of broken bricks, earth and scrap

HEAP OF RUBBLE



Sorting centre

RECYCLED or **BURIED**

This heap of rubble will be sorted more finely. The scrap will be removed.

If the remaining debris contains a lot of impurities (plaster, aerated concrete, wood, plastic, carpet, electric wires,...), they will be buried.

Otherwise the rubble will be sieved to extract the broken bricks from it, which will be crushed into aggregates and reused as a roadbed for the foundations of roads and buildings.