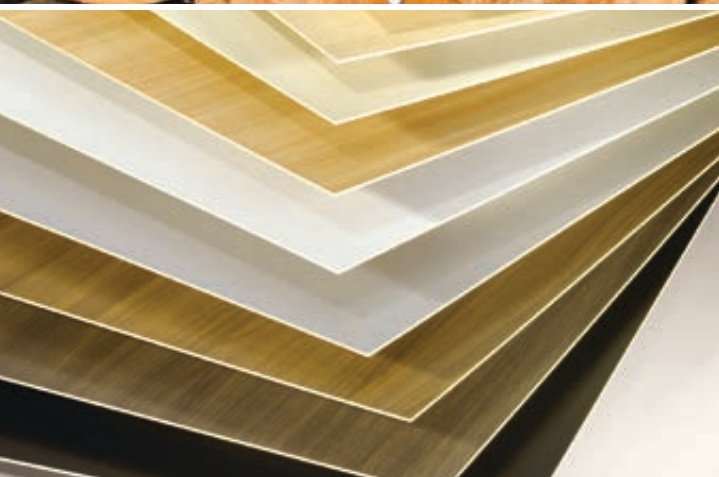


HDF HOMADUR[®]

wood fibreboards



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TYPES OF APPLICATION

These boards are used, for example, in the furniture industry, door industry, automotive industry, exhibition stand construction and interior fitting for the following:

- Back panels, drawer buttons, fitting for furniture doors
- Door skins for almost all types of doors
- Interior cladding for motor vehicles
- flexible wall and separator elements
- coreboard for parquet, laminate, PVC & HPL floors
- Picture frames & decoration elements



TECHNICAL INFORMATION

HDF HOMADUR® is a wood fibreboard consisting of finely refined woodfibres, produced continuously in the dry process. The following table compares the technical data of HDF and MDF boards. The HDF/MDF boards are tested in accordance with the physical/technical specifications of DIN EN 622 Part 1 and 5 and have following data at dispatch.

	DENSITY kg/m ³	BENDING STRENGTH Ø N/mm ²	TRANSVERSE TENSILE STRENGTH Ø N/mm ²	BENDING E-MODULUS Ø N/mm ²
HDF 1.5–8 mm	800–1000	45	0.7	4300
MDF 2.5–10 mm	730–800	35	0.5	2600
HDF Floor coreboard sanded, 6–10 mm	840–900	45	1.1	4300

PRODUCT

HDF HOMADUR® is a wood fibreboard, which is produced from mainly wood thinnings and sawmill byproducts. The binding and hydrophobising agents used are low in formaldehyde and guarantee to keep or to remain below the limits of emission class E1 in accordance with the restriction ordinance on chemicals respectively with CARB, table 1 § 93120.2 phase 2. The pH value of our raw board is 4.5 ±0.5. We can produce FSC® and PEFC certified wood fibreboards for our customers, on request.

MANUFACTURING

HDF HOMADUR® boards are produced using a clean dry process. After heating the wood chips under pressure and at temperature with subsequent defibration, the damp fibres, to which binding agent has been added, are dried gently in a hot airstream. The further processing, pressing in the heat press, is also carried out dry. The exhaust vapours from drying and pressing go into a scrubber designed for this purpose. The water used for washing is then processed and re-used. The waste, resulting from this manufacturing process, is mainly material or thermally re-used.

ENVIRONMENT

The products are environmental-friendly from the safe materials that are used, such as natural woods and low-formaldehyde glues, through to a low-impact, ecologically pioneering manufacturing process.

WOOD: Domestic woods are used to produce HDF HOMADUR® boards. These are primarily wood thinnings and sawmill byproducts.

BINDING AGENTS: The glues used should be classed as duroplastic adhesives, which means that they are reactive adhesives, such as urea-formaldehyde condensates or mixed condensates, based on urea, melamine and formaldehyde. All glues used meet the demands of emissions class E1.

LACQUERS: The lacquers used for lacquering in uni or printed wood grain decor are "water-based-emulsions", which are protected with "AC-UV varnish".

Our HDF products can be used thermally or composted without any problem, as they have not been treated with PVC and/or halogen-organic substances.