

* DISCOVER
WHAT'S
BEHIND

HOMANIT: Your strong partner for
high-quality wood fibreboards.

POWERFUL PRODUCTS FOR EVERY OCCASION

GOOD TO KNOW

- Unless otherwise stated, raw boards are normally supplied unsanded.
- Details of the manufacturing process and the products can be found in the technical data sheets. These are available on request.
- Selection of our product range

The information in the table has been compiled to the best of our knowledge, but is not binding. You must carry out your own trials and tests in advance.

BRANCH	AREAS OF APPLICATION	PRODUCT	PAGE	TYPE	NOTES	LAMINATES & COATINGS *				PRIMING *	FINAL LAC- QUERING *	
						PAPER	PP FOIL	CPL	HPL / VENEER			
DOOR INDUSTRY												
2	Door skins for standard interior doors	HDF HOMADUR® Raw	15	Type 1	Regular quality	•	•	–	–	•	•	
		HDF HOMADUR® Raw	15	Type 4	Low thickness swelling, optimised for milling	•	•	•	•	•	•	
		HDF HOMADUR® Raw	15	Type 5	Optimised for laminating and coating	•	•	•	•	–	–	
		HDF HOMADUR® Raw	15	Type 8	Optimised for high-quality final lacquering	•	•	•	•	•	•	
		HDF HOMADUR® Primed Door Skin	17	Type 5/15	Prefinished	–	–	–	–	–	•	
		HDF HOMADUR® Decor Plus or Uni Plus	16	Type 1	With final lacquer on one side, in either Decor or Uni	–	–	–	–	–	–	
		HDF HOMADUR® Laminated	19	Type 1 or 5	Laminated on one or both sides with finish foil, PP foil or CPL, up to 0.3 mm thick	–	–	–	–	–	–	
	2	Door skins for fire doors	HDF HOMADUR® Raw Flame Retardant B1	15	Type 10	Sanded on both sides with 120 grit	•	•	•	•	–	–
	2	Door skins for apartment entrance doors	HDF HOMADUR® Alu-Climate Door Skins	18	Type 3	With aluminium inlay / 300, 500 or 1.000 µm inlays available	•	•	•	•	–	–
			HDF HOMADUR® Raw	15	Type 4	Low thickness swelling, optimised for milling	•	•	•	•	•	•
			HDF HOMADUR® Raw	15	Type 5	Optimised for laminating and coating	•	•	•	•	–	–
			HDF HOMADUR® Raw	15	Type 8	Optimised for high-quality final lacquering	•	•	•	•	•	•
	2	Door skin for burglar-resistant doors and climate doors	HDF HOMADUR® Alu-Climate Door Skins	18	Type 3	With aluminium inlay / 300, 500 or 1.000 µm inlays available	•	•	•	•	–	–
	2	Door skins for radiation protection doors	HDF HOMADUR® Radiation Protection Door Skins	18	Type 3	With lead inlay / 500, 1.000 or 1.500 µm inlays available	•	•	•	•	–	–
FURNITURE INDUSTRY												
8 11	Back panels, drawer bottoms, bed-frame base panels	HDF HOMADUR® Raw	15	Type 0 or 1	Type 1 for lacquering on one side, Type 0 for lacquering on both sides	•	•	–	–	•	•	
		HDF HOMADUR® Decor and Uni	16	Type 0 or 1	With final lacquer on one or both sides	–	–	–	–	–	–	
		HDF HOMADUR® Decor Plus or Uni Plus	16	Type 0 or 1	With final lacquer on one or both sides	–	–	–	–	–	–	
		HDF HOMADUR® Laminated	19	Type 1	Laminated on one or both sides with finish foil, PP foil or CPL, up to 0.3 mm thick	–	–	–	–	–	–	
	9	Fitting for furniture doors	HDF HOMADUR® Raw	15	Type 8	Optimised for high-quality final lacquering	•	•	•	•	•	•
4 6	Honeycomb or lightweight constructions	HDF HOMADUR® Raw	15	Type 0	Optimised for lacquering and alternative coatings	•	•	–	–	•	•	
AUTOMOTIVE INDUSTRY												
3	Interior cladding, luggage compartment covers	HDF HOMADUR® Raw	15	Type 0 or 1	Type 1 for lacquering on one side, Type 0 for lacquering on both sides	•	•	–	–	•	•	
		HDF HOMADUR® Raw	15	Type 5	Optimised for laminating and coating	•	•	•	•	–	–	
		MDF HOMADUR® Raw	15	Type 2	MDF quality standard	–	–	–	–	–	–	
		HDF HOMADUR® Laminated	19	Type 1	Laminated on one side with finish foil, PP foil or CPL, up to 0.3 mm thick	–	–	–	–	–	–	

* POSSIBLE FINISHING TREATMENTS THAT CAN BE APPLIED BY THE CUSTOMER

THE VERSATILITY OF HOMANIT'S HIGH-QUALITY WOOD FIBREBOARDS ALLOWS IT TO BE USED ANYWHERE IN YOUR HOME, WHEREVER PRECISE AND SUSTAINABLE PRODUCT SOLUTIONS ARE IN DEMAND.

HIGHLY VERSATILE – OUR ALL-ROUNDER



HOMANIT QUALITY, THROUGH AND THROUGH:

- | | | | |
|---|---|----|---|
| 1 | Picture frame board | 7 | Partition wall |
| 2 | Interior door | 8 | Cabinet backpanel |
| 3 | Automotive/caravan interiors (interior cladding and luggage compartment covers) | 9 | Door panels for furniture doors |
| 4 | Coffee table | 10 | Kitchen table or desk |
| 5 | Shelves | 11 | Drawer bottoms |
| 6 | Cabinet body | 12 | Coreboard for parquet, laminate, PVC and HPL flooring |



DOORS

HDF/MDF HOMADUR® Door
Skins leave nothing to be desired.
See page 13 for further details.

Photo: HUGA Türen

HDF/MDF HOMADUR® – THE MODEST ALL-ROUNDER

WHETHER USED AS THE BASIS FOR HIGH QUALITY FLOORS AND DOORS OR FOR CREATING TOP-GRADE HOME AND OFFICE FURNITURE: THANKS TO A WIDE RANGE OF FINISHING OPTIONS, OUR HDF/MDF HOMADUR® BOARDS ARE REAL ALL-ROUNDERS – NOT ONLY IN THE BACKGROUND.

ENVIRONMENTALLY-FRIENDLY PRODUCTION

Our high-quality HDF/MDF HOMADUR® boards are made of sustainably sourced natural wood material. They are manufactured using an environmentally-friendly dry process. We have invested continuously in our manufacturing plants in recent years. This has enabled us to supply high-quality products on a worldwide basis – in raw or lacquered form, or finished using innovative techniques.

HIGH-QUALITY FINISH

Our modern lacquering, laminating and finishing lines provide the solution: And you receive a product that is precisely tailored to your individual requirements. We can lacquer, laminate, drill, mill, fold, sand, punch and cut our HDF and MDF HOMADUR® boards for you – and, of course, combine various finishing options – exactly as needed for your particular application.

HIGHLY VERSATILE

Whether used as flexible backpanels, decorative elements in exhibition stands, sturdy coreboards for laminate flooring, or as premium quality door skins: Our HDF/MDF HOMADUR® boards cut a good figure in numerous areas of application. With thicknesses from 1.5 mm to 22 mm, optimal flatness and high dimensional and inherent stability, these boards are a natural, high-tech construction material.

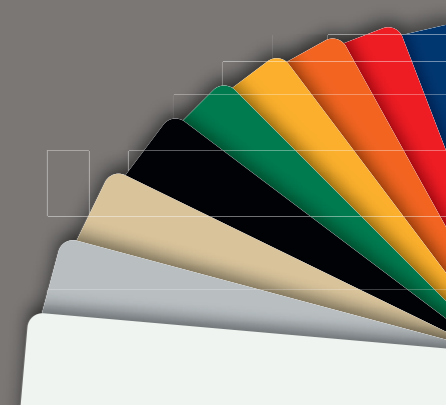


Photo: HACKER Küchen

KITCHEN FURNITURE

A strong background: Backpanels and drawer bottoms made of high-quality HDF HOMADUR® Decor and Uni boards don't need to be kept hidden away. See page 12 for further details.

AUTOMOTIVE/CARAVAN INTERIORS

Because the details count: The automotive industry relies on HOMANIT products – for interior cladding and luggage compartment covers, for example. See pages 11, 12 and 15 for further details.



If you discover a new trend, we can supply the right product: Our lacquered board portfolio can be supplied in every colour conceivable – just as you like! See page 12 for further details.

FOUR LOCATIONS, ONE AIM: SUSTAINABLE PRODUCTION

OUR WOOD FIBREBOARDS ARE PRODUCED AT OUR FOUR PRODUCTION PLANTS IN GERMANY, POLAND AND LITHUANIA AND ARE SUPPLIED EITHER RAW OR WITH FURTHER PROCESSING AS REQUIRED. OUR ABILITY TO PROVIDE VARIOUS FINISHING OPTIONS, ALLOWS US TO COVER AN EXTENSIVE PRODUCT PORTFOLIO AT ALL FOUR LOCATIONS.

FSC® CERTIFICATION

We can produce FSC® certified boards for our customers, on request. We place great emphasis on sustainability when purchasing raw materials and always exclude the following sources as a matter of principle:

- Timber from illegal felling or overexploitation
- Timber from forests in which civil or traditional rights are violated
- Timber from forests that are particularly worthy of protection
- Timber from genetically modified trees
- Timber from the clearing of natural forests

PEFC CERTIFICATION

We can produce PEFC certified boards for our customers, on request.

QUALITY MANAGEMENT

Ensuring a constantly high quality standard is a fundamental part of our corporate philosophy. HOMANIT has been certified in accordance with the quality management standard EN ISO 9001 since 1995. It goes without saying that our production plants are now certified in accordance with the current version of this standard: ISO 9001:2015. All of our locations are certified to the latest relevant quality, environmental and sustainability standards.



LOSHEIM, Saarland, Germany

We have been producing HDF/MDF HOMADUR® boards with thicknesses of 2.0 mm to 10.0 mm at this location since 1995. As in all of our production plants, a wide range of finishing techniques are used – all geared towards the diverse requirements of the door industry.

KARLINO, Poland

This production plant has been part of the company since 2005. HDF/MDF HOMADUR® Raw boards with thicknesses of 1.5 to 10.0 mm are produced in Karlino. At a site that is rich in tradition, cutting-edge technology is now in operation: The modern continuous press system has been in operation since 2008.

KROSNO ODRZAŃSKIE, Poland

When the existing production location in Krosno was taken over in summer 2012, it underwent major investments, culminating in the successful production launch of on a state-of-the-art production system in early 2015. Further substantial investment followed in other areas, with the most recent environmental investment of a completely new boiler house built to the latest environmental technological standards.

PAGIRIAI, near Vilnius, Lithuania

With our newly developed production site in Pagiriai, we are offering our complete production range of finished HDF/MDF HOMADUR® boards on cutting-edge machines commencing in 2023. We can produce thicknesses up to 22 mm at this site.

FORMALDEHYDE MONITORING

The binders used to manufacture HDF/MDF HOMADUR® boards are the latest generation of thermosetting resins. Urea and melamine resins cross-link under the influence of temperature with the smallest amounts of formaldehyde to form solid networks. Self-monitoring, which takes place several times a day, and regular checks by external institutes ensure that only the smallest quantities of the bonding components emit after completion. The latest version of the following formaldehyde emission classes is complied with: E1 according to Chemicals Prohibition Ordinance 2020 (E05), EPA/TSCA Title VI–40 CFR Part 770 & CARB Phase 2, IKEA IOS-MAT 0003, IOS-MAT 0181.



THE HIDDEN POWER OF NATURE

ECOLOGICAL PRINCIPLES

Respecting the environment, protecting resources and ensuring sustainability: We see these principles as both a duty and an incentive. That is why we use domestic timber – primarily from wood thinnings and by-products of the sawmill industry – as the basis of our wide range of products. Technological progress and ecological awareness always go hand in hand at our manufacturing plants.

HOMANIT's smooth-on-both-sides, high-density HDF/MDF HOMADUR® boards are manufactured using an environmentally-friendly dry process. For surface finishing, we use water-based emulsion paints that are sealed with an acrylic UV varnish. This means that these products can be safely thermally recycled at the end of their service life. Also, the low formaldehyde content of our products ensures that they meet the requirements of at least emission class E1 according to the Chemicals Prohibition Ordinance. All of the quality parameters are constantly monitored by our own laboratories and checked regularly by independent institutes. This allows us to guarantee consistently high quality and ecological standards.

We are firmly anchored sustainable actions in our business philosophy. Our Sustainability Report provides insight into our sustainability strategy, and information on our fields of action, targets and measures we take to reduce our impact on the environment.

CONSULTING AND SERVICE

We want to respond quickly and flexibly to your individual requirements and wishes. This is why we attach great importance to maintaining direct and personal links with you: our professional office and field sales staff and agents are always on hand to answer all your questions.

OUR PROMISE TO YOU

To ensure your continued satisfaction with our products and services, we have compiled a list of our company's guiding principles:

QUALITY: HOMANIT symbolises the highest level of quality with regard to products and customer service – and this is seated in tradition: HOMANIT has been certified in accordance with the quality management standard EN ISO 9001 since 1995.

RELIABILITY: We honour our commitments – which makes many things possible. This is because we want to be your dependable partner, both now and in the future.

RESPONSIBILITY: We take the initiative and accept responsibility for our actions. Which is why we are always keen to learn more.

TRUST: We promote open and fair dealings on equal terms – with our customers and suppliers worldwide and with each other. Respect and mutual trust are a matter of course.

ECONOMIC EFFICIENCY: Quality, service and innovation – at competitive prices. We are constantly improving in order to achieve these aims each and every day.



HDF/MDF HOMADUR® RAW



TYPES OF APPLICATION

These boards are used in the following branches, for example:

- Furniture industry
- Door industry
- Automotive/caravan interiors
- Interior fitting
- Exhibition stand construction
- Picture frames

PRODUCT

HDF/MDF HOMADUR® Raw boards have ideal properties that make them the perfect choice for a wide range of applications. They can be supplied with both faces sanded ready for further processing. We also manufacture HDF HOMADUR® Raw Flame Retardant B1 boards and HDF HOMADUR® Coreboard for Flooring to accommodate special requirements.

STRENGTHS

- HDF/MDF HOMADUR® Raw boards
- Dense, smooth and hard surface
 - Excellent dimensional stability
 - Exceptionally flat

HDF HOMADUR® Raw Flame Retardant B1 board

- Certified quality: class B1

HDF HOMADUR® Coreboard for Flooring

- Complies with the particular requirements of the flooring industry, for parquet and laminate flooring, for example

PROCESSING

HDF/MDF HOMADUR® Raw boards can be finished in various ways using suitable techniques. Further processing can be carried out using standard woodworking machinery and tools. You must carry out your own preliminary trials and tests in advance.

ENVIRONMENT

The environmental compatibility of the HDF/MDF HOMADUR® Raw boards begins with the environmentally-friendly materials used, such as untreated timber and low-formaldehyde binding agents, and ends with our innovatively ecological and gentle manufacturing process.



See the product data sheet for more information

Further information can be found in the product finder on the first inside cover page

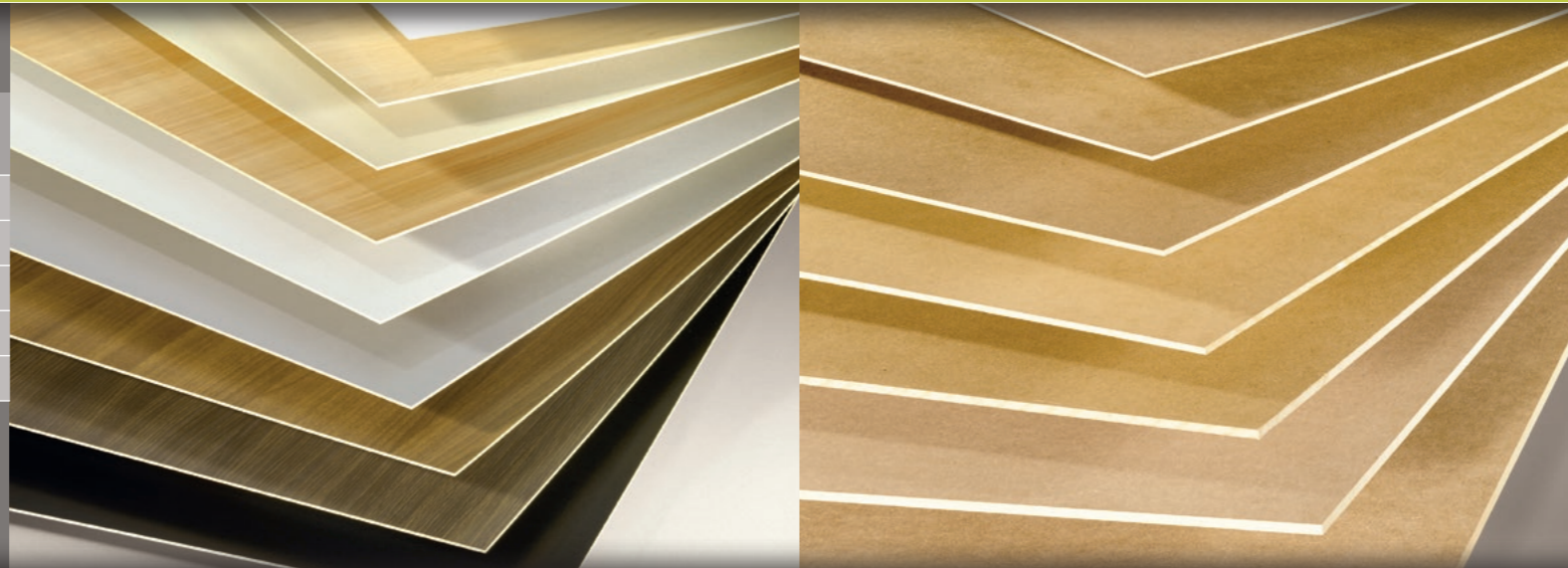
HDF HOMADUR® DECOR AND UNI

HDF/MDF HOMADUR® DOOR SKIN

TYPES OF APPLICATION

These boards are used in the following branches, for example:

- Furniture industry
- Door industry
- Automotive/caravan interiors
- Interior fitting
- Exhibition stand construction



TYPES OF APPLICATION

These boards are used in the door industry for the following:

- Standard interior doors
- Fire doors
- Apartment entrance doors

PRODUCT

With approximately 50 pairs of wood grain structure cylinders at our disposal, we can satisfy practically all customer requests with regard to particular types of wood and desired decors for our **HDF HOMADUR® Decor** and **Uni boards**. Uni colours can be provided in just about any shade required. Our existing range of more than 600 variations wood grain decors, fantasy decors and/or uni colours are available at all times. **HDF HOMADUR® Decor Plus** and **Uni Plus boards receive an additional coat of special UV lacquer to give them improved scratch resistance. For customers who wish to apply the final lacquer themselves, HDF HOMADUR® Primed boards** are the right choice. These are coated with a high-quality primer in white or beige, with other colours available on request.

STRENGTHS

- A wide range of surface qualities
- Available with lacquer on one or both sides
- Tailor-made service: Our technical centre is equipped with a laboratory facility that enables us to quickly create almost any pattern the customer desires.

PROCESSING

Further processing can be carried out using standard wood-working machinery and tools. You must carry out your own preliminary trials and tests in advance.

ENVIRONMENT

The environmental compatibility of HDF HOMADUR® Decor and Uni begins with the environmentally-friendly materials used, such as untreated timber and low-formaldehyde binding agents, and ends with our innovatively ecological and gentle manufacturing process. Lacquering is carried out in an eco-friendly process, using water-based emulsions only. These are then protected with an AC-UV lacquer.



See the product data sheet for more information

PRODUCT

Our **HDF/MDF HOMADUR® Door Skins** easily satisfy the special technical and physical requirements of the door industry. Both sides are smooth or sanded and provide the perfect surface for finishing treatments. **HDF HOMADUR® Primed Door Skins** are ideally suited to final lacquering with various types of lacquer. We produce door skins with specially optimised qualities to meet the stringent requirements for milling and lacquering. Our **"Flame Retardant B1"** door skins are manufactured for applications with special safety requirements. Our door skins are also available as a finished product that only needs to be pressed onto the core and frame: These door skins are available as a **"Laminated"** model, with a large selection of bonded wood grain decors and various surface properties to choose from, such as finish foil, PP foil or CPL, or as the **HOMADUR® Door Skin Plus** model that includes a finishing coat of high-quality lacquer.

STRENGTHS

- Suitable for almost all types of door constructions
- Especially a homogenous surface
- Raw door skins: For lacquering and laminating – veneers and laminates can also be pressed on



See the product data sheet for more information

- Final lacquering and laminating in numerous wood grain decors and colours
- Density characteristics and adhesives are optimised for milled doors

PROCESSING

HDF HOMADUR® Door Skins can be given a variety of different finishes using suitable techniques. These include veneers, laminates or lacquers, for example. Exceptions: HDF HOMADUR® Door Skin Plus and HDF HOMADUR® Door Skin Laminated – these are already finally lacquered or laminated. Further processing can be carried out using standard woodworking machinery and tools. You must carry out your own preliminary trials and tests in advance.

ENVIRONMENT

The environmental compatibility of the HDF/MDF HOMADUR® Door Skins begins with the environmentally-friendly materials used, such as untreated timber and low-formaldehyde binding agents, and ends with our innovatively ecological and gentle manufacturing process. Lacquering is carried out in an eco-friendly process, using water-based emulsions only. These are then protected with an AC-UV lacquer.

HDF HOMADUR® ALU-CLIMATE AND RADIATION PROTECTION DOOR SKINS

TYPES OF APPLICATION

These boards are used in the door industry for the following:

- Apartment entrance doors
- Burglar-resistant doors
- Climate doors
- Radiation protection doors (with lead inlay)
- Fire protection doors



TYPES OF APPLICATION

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

- Back panels for furniture
- Flexible wall and partition structures
- Standard interior doors
- Automotive/caravan interior cladding

PRODUCT

For doors that need to comply with climate class III, the HDF HOMADUR® boards are produced with a special aluminium inlay at their core. This acts as a moisture barrier and gives the Alu-Climate door excellent bending strength and dimensional stability. The requirements for radiation protection doors – for x-ray rooms, for example – are met by including an inlay made of lead. The **HDF HOMADUR® Alu-Climate** and **Radiation Protection Door Skins** are available in standard door sizes.

STRENGTHS

- High inherent stability
- Ideally suited to surface finishing
- Stress-free composite element, therefore absolutely flat
- Fire and burglar retardant

Also radiation resistant, in the case of HDF HOMADUR® Radiation Protection Door Skins: the lead equivalent value is DIN 6812.

- The above-mentioned standard requires that the planners and the x-ray equipment manufacturer prepare a radiation protection plan, which must be used as the basis for all protective measures.

PROCESSING

After longer periods of storage at low temperatures and in humid conditions, HDF HOMADUR® Alu-Climate Door Skins must first be allowed to acclimatise for at least 24 hours in the production hall before the pressing process commences. This also applies to HDF HOMADUR® Radiation Protection Door Skins. During processing, the temperature of the boards should be 15 °C or higher. For HDF HOMADUR® Radiation Protection Doors, the following must be observed in addition: Before any further processing, such as edge-planing or profiling, is carried out, the finished door blank should rest for at least 24 hours or at least be cooled down using a star cooler, for example.

PRODUCT

HDF HOMADUR® Laminated boards are HDF HOMADUR® boards that are laminated on one or both sides with paper, foil or CPL. The various types of foil and paper have different surface qualities and satisfy different requirements with regard to scratch resistance, wear, light-fastness and stain resistance. With certain surfacing materials, the laminated boards can also be folded directly in the laminating line.

STRENGTHS

- Laminating with finish foil, PP foil or CPL is possible
- Folding can be carried out in the laminating line (provided the surfacing material is foldable)
- No joints spoil the uniform appearance when folded

PROCESSING

Further processing can be carried out using standard wood-working machinery and tools. You must carry out your own trials and tests in advance.

ENVIRONMENT

The environmental compatibility of the HDF HOMADUR® Laminated boards begins with the environmentally-friendly materials used, such as untreated timber and low-formaldehyde binding agents, and ends with our innovatively ecological and gentle manufacturing process.

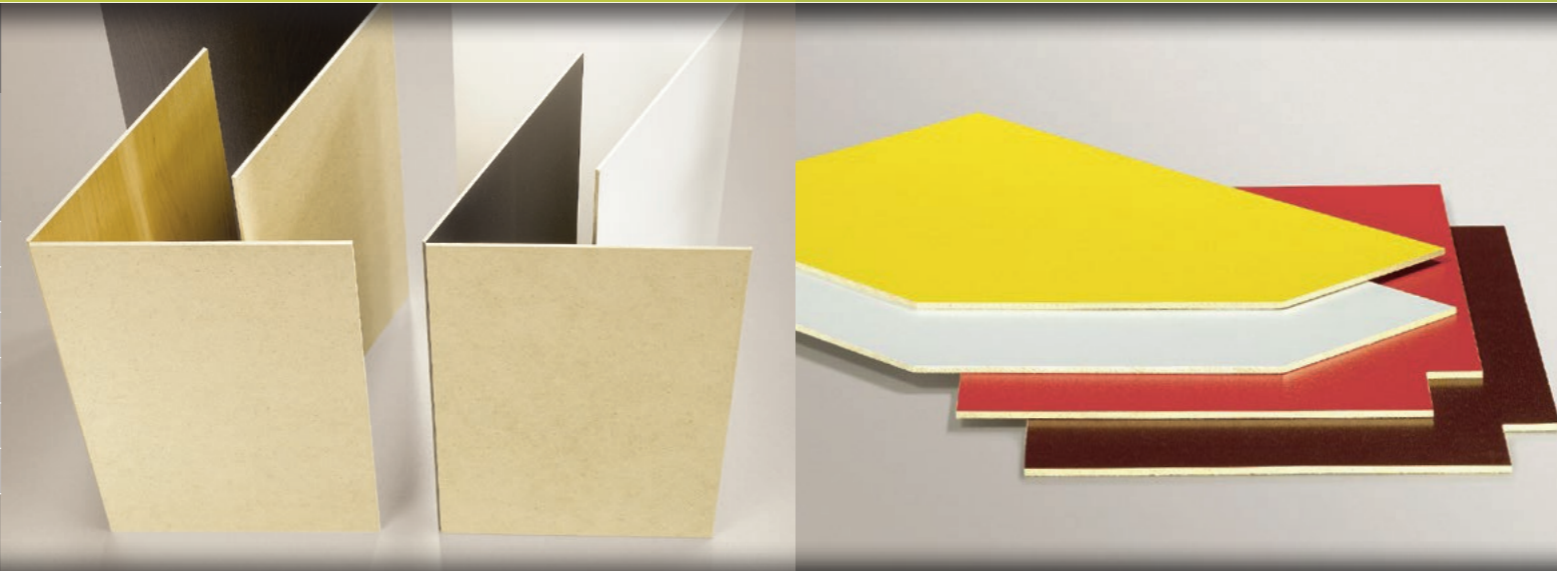


FINISHINGS

TYPES OF APPLICATION

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

- HDF/MDF HOMADUR® Fold
 - Foldable back panels for furniture
- HDF HOMADEKO
 - Partition walls
 - Showcase walls and panels
 - Back panels for furniture



TYPES OF APPLICATION

These boards are used in the furniture industry, automotive industry, interior fitting and shop-building for the following:

- Back panels
- Grip profiles
- Car luggage compartment covers
- Partition walls

PRODUCT

HDF/MDF HOMADUR® Fold boards are used for optimising packaging units – particularly for DIY furniture. With the application of hot-melt adhesive or of adhesive tape, they become a folding backpanel for furniture. They are available with single folding or double folding.

HDF HOMADEKO Perforated Wood Fibreboards are available raw or lacquered on one or both sides. These versatile fibreboards are used as sound and heat insulating elements for interior fitting, shop-building, etc. and as air-circulating partition walls and showcase panels.

STRENGTHS

- HDF/MDF HOMADUR® Fold boards
 - With single or double folding
 - Light and stable
- HDF HOMADEKO Wood Fibreboards
 - Decorative
 - Allow air circulation
 - Various hole patterns
 - Lacquering possible in all colours

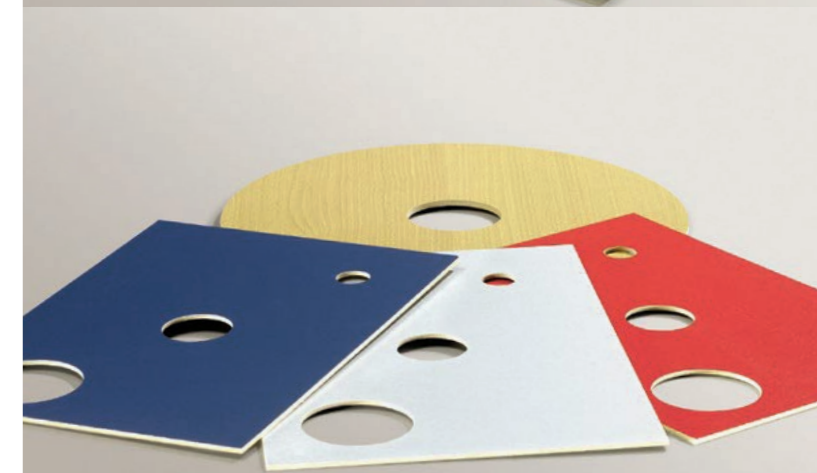
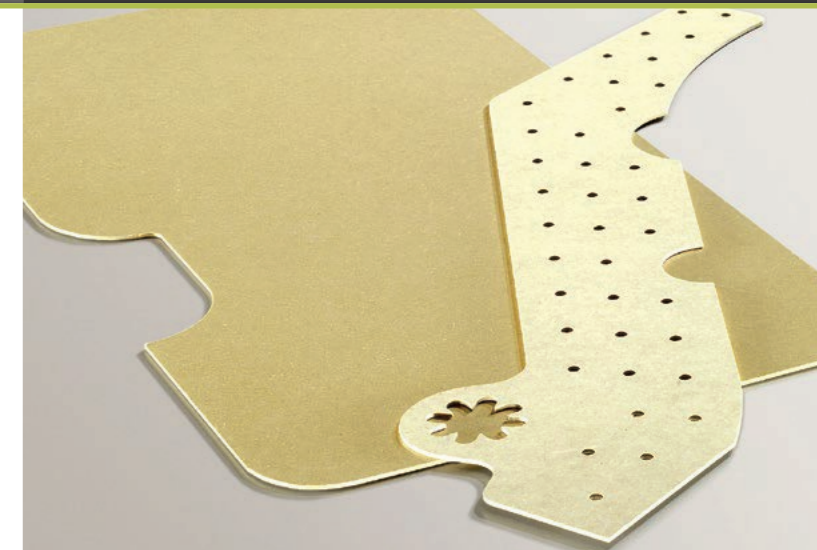
ENVIRONMENT

The environmental compatibility of the HDF/MDF HOMADUR® Fold boards and HDF HOMADEKO Wood Fibreboards begins with the environmentally-friendly materials used, such as untreated timber and low-formaldehyde binding agents, and ends with our innovatively ecological and gentle manufacturing process.

CUSTOMISED PRODUCTION

All raw, uni-lacquered or wood-grain printed **HDF/MDF HOMADUR® boards** can be processed by our finishing centres using a wide range of techniques:

- Bevelling
- Notching
- Drilling
- Folding
- Milling
- Cut to size
- Punching
- Grooving
- Profiling





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