

INSPIRATIONS
CLOSE TO YOU

EVERYTHING FOR THE DOOR

ALL FROM A SINGLE SOURCE

DUROPAL

thermopal

 PFLEIDERER

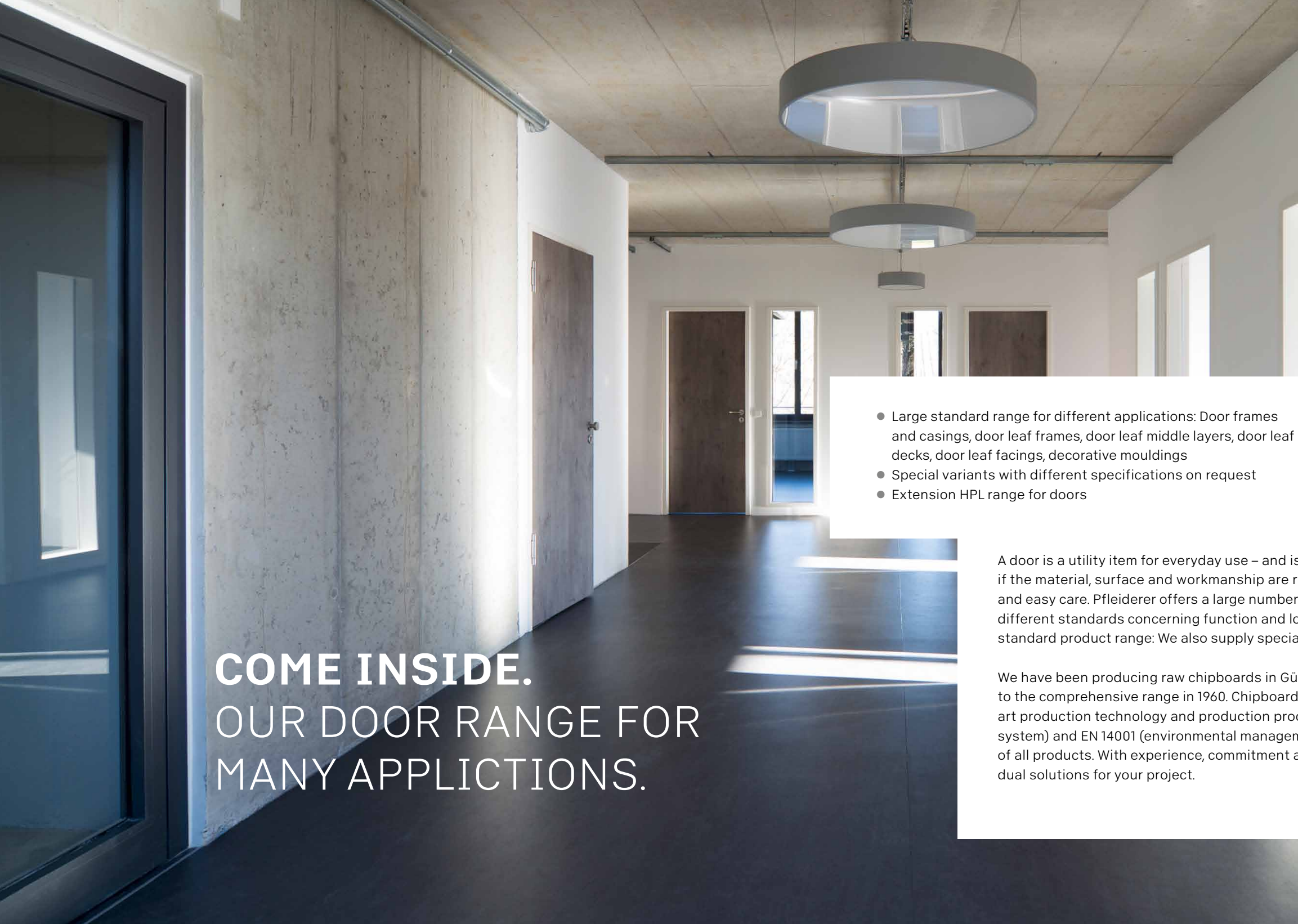
**INSPIRATIONS
CLOSE TO YOU**

ONE PFLEIDERER: INSPIRATIONS CLOSE TO YOU – FOR YOUR WORK AND YOUR REQUIREMENTS.

The Pfleiderer brand has reorganised itself. A new, international and powerful brand has emerged from the amalgamation of Pfleiderer Grajewo and Pfleiderer GmbH.

In the course of this process we have been able to harmonise all the production locations, simplify the processes and optimise our product range and services. Thus, you now have access to a range of decors, surface textures and sizes that are identical throughout the world and unique in its breadth and depth.

For you, One Pfleiderer means: a strong partner for high-quality wood-based panels with outstanding decorative surface expertise, customer-oriented service and a consistent focus on sustainability. And last but not least, countless creative and practice-oriented “inspirations close to you”.



COME INSIDE.
OUR DOOR RANGE FOR
MANY APPLICATIONS.

- Large standard range for different applications: Door frames and casings, door leaf frames, door leaf middle layers, door leaf decks, door leaf facings, decorative mouldings
- Special variants with different specifications on request
- Extension HPL range for doors

A door is a utility item for everyday use – and is thus exposed to permanent loading. So it's good if the material, surface and workmanship are right – and the door proves to be robust, durable and easy care. Pfleiderer offers a large number of products for door production, which satisfy all different standards concerning function and look. If you do not find what you are looking for in our standard product range: We also supply special variants with different specifications on request.

We have been producing raw chipboards in Gütersloh since 1949, direct faced boards were added to the comprehensive range in 1960. Chipboard production in Neumarkt began in 1962. State-of-the-art production technology and production processes certified to EN 9001 (quality management system) and EN 14001 (environmental management system) guarantee the consistently high quality of all products. With experience, commitment and partnership, we work with you to draw up individual solutions for your project.

CONTENT	
Sustainability – BalanceBoard	6
Sustainability – LivingBoard	7
Products overview	8
Chipboards	10
Fibreboards	18
Decor boards	20
Sustainability	22
Contact	23
Our decor range for doors	23



BALANCEBOARD

NATURALLY LIGHT,
VERY SUSTAINABLE



It is this easy to combine ecology and economy: thanks to a high proportion of particularly rapidly renewable raw materials, BalanceBoard offers an up to 30 % weight reduction – with unrestricted stability, machinability and processability. On request, the board can also be supplied with PEFC™ or FSC® certification. BalanceBoard has received multiple awards for its high level of sustainability,

e.g. with the Innovation Prize of the architecture magazines AIT and xia (“Special Sustainability Prize”), the Interzum Award 2011 (“High Product Quality”), the iF award product design 2012 and the Woody Award from GD Holz (“Innovative Product 2011”).





DESIGN PLUS

FSC® license code: FSC-C011773, PEFC/04-32-0828

You can find more information in our “LivingBoard” brochure!

LIVINGBOARD

OPTIMAL TECHNOLOGY,
ECOLOGY AND
PROCESSABLE



LivingBoard is the perfect choice for timber frames and interior fittings for a healthy living environment: 460,000 residential units constructed with LivingBoard testify to this. Produced from a combination of fresh forest wood and a formaldehyde-free glue, it brings together all the requirements for a contemporary, technologically advanced and high-quality panel on the one hand, and for particular sustainability in

terms of the materials, production and application on the other hand. It also satisfies the requirements for LEED certification – including when coated, as DecoBoard Living or Duropal-Element Living. On request, LivingBoard can be supplied in different qualities and with PEFC™ or FSC® certification.

OVERVIEW

We supply middle layers for special applications with a low thickness tolerance of +/-0.15 mm. These door middle layers are packed with a special film.


Area of use	Type	Thicknesses*	Special properties
Door casing			
Door reveal, rebate and decorative moulding	BalanceBoard P2 / BalanceBoard HD	16–38 mm	lightweight, ecological and sustainable
	ClassicBoard P2	8–64 mm	good lamination capability, fine chipboard surface
	PremiumBoard Pyroex	10–38 mm	Classification B-s2,d0 (flame resistant) to DIN EN 13501-1, construction material class B1–DIN 4102
Door leaf			
Doorframe	PremiumBoard MFP P5	8–32 mm	high loading capacity, high strength values, suitable for use in damp areas
Door middle layer	LightBoard LP1	30–40 mm	Weight saving due to reduced density
	BalanceBoard	22–38 mm	Weight saving due to reduced density and careful use of resources
	ClassicBoard P2	8–64 mm	problem-free machining
	LivingBoard P5	10–25 mm	very high loading capacity, very high strength values, suitable for use in damp areas
Door skin	StyleBoard HDF thin	3–8 mm	high strength values, good cuttability
Door facing (overlay) for HPL	HPL	0.8 mm	high impact resistance, non-sensitive to heat and moisture resistant, easy workability
Decorative mouldings			
Decorative glass mouldings	StyleBoard MDF plus	6–28 mm	good cutting properties, suitable for profile sheathing
Packaging for doors**			


* Further thicknesses on request **Ask us – we will be pleased to offer you a suitable product.


As a core and construction material, it is hard to imagine furniture and interior finishes without chipboards. Their universal usability and good machinability are only two reasons why chipboards have developed into the most important wood-based material in terms of quantity used. In the following you will find detailed information on technical values and special features of the individual product variants.


The following data applies to all raw chipboards:


Property	Application
Construction material class	B2 (normally flammable), except Premiumboard Pyroex B1 (flame resistant)
Emission class	E1
Thermal conductivity depending on density	300 kg/m² = 0.07 W/m*K 600 kg/m² = 0.12 W/m*K 900 kg/m² = 0.18 W/m*K
Moisture content on delivery ex works	5–13 %
Thickness tolerance for ground boards	+/- 0.3 mm
Length/width tolerance for standard boards	+/- 5 mm
Squareness tolerance	2 mm per m
Edge straightness tolerance	1.5 mm per m



-  Furniture and interior fitting


 Fire protection


 Doors


 Timber Construction


 Packaging



 Concrete formwork
-  Particularly ecologic


 Particularly low emission


 Load bearing

 Low swelling / Moisture resistant

 Flame retardant

 Good sound insulation
-  Food-safe

 Deep milling quality

 Sanded



All named technical properties apply exclusively to temperate climate zones (temperature, humidity, light incidence, etc.).

ClassicBoard P2

Urea resin-bonded particleboard, Type P2 to DIN EN 312, suitable for non load-bearing purposes in dry areas.



Format in mm Length	Width	Thickness
2,800	2,070	8 / 10 / 12 / 13 / 15 / 16 / 18 / 19 / 22 / 25 / 28 / 30 / 32 / 38 / 40
4,110	2,070	10 / 13 / 16 / 19 / 22 / 25 / 28 / 38
5,310	2,100	8 / 10 / 12 / 13 / 15 / 16 / 18 / 19 / 22 / 25 / 28 / 30 / 38 / 50

AREAS OF APPLICATION

The panel type with exceptionally uniformed deck layer satisfies the highest demands on the surface and is therefore outstandingly suitable for use as core material for impregnated decorative paper, thin foils, delicate veneers and even Duropal high-pressure laminate panels (HPL). ClassicBoard P2 has a wide variety of applications, such as in furniture production and interior fitting or roofing applications. On request can also be FSC® license code: FSC-C011773 or PEFC™ certified.

PRODUCT PROPERTIES

Board type	P2
Fire behaviour	Normally flammable D-s2, d0
Formaldehyde emission class	E1

Also available in CARB 2-,
EPF-S- or F****-quality!



Further information and technical data at www.pfleiderer.com

BalanceBoard

Sustainable, ecological material of wood and light biomass pellets based on rapid-growing annually harvested plants. Technical properties in line with EN 312.



Format in mm Length	Width	Thickness
2,655	2,100	22 / 25 / 28 / 38
5,310	2,100	22 / 25 / 28 / 38

AREAS OF APPLICATION

BalanceBoard is a sustainable, ecological, lightweight yet durable material. Wood is used very sparingly and responsibly; a large proportion has been replaced by rapid-growing plants. This panel is just as durable and easy to process as comparable conventional chipboards.

PRODUCT PROPERTIES

Board type	LP2
Fire behaviour	Normally flammable
Formaldehyde emission class	E1



Further information and technical data at www.pfleiderer.com

BalanceBoard HD

Sustainable, ecological material of wood and light biomass pellets based on rapid-growing annually harvested plants. Technical properties in line with EN 312.



Format in mm Length	Width	Thickness
2,655	2,100	16 / 19
5,310	2,100	16 / 19

AREAS OF APPLICATION

BalanceBoard is a sustainable, ecological, lightweight yet durable material. Wood is used very sparingly and responsibly; a large proportion has been replaced by rapid-growing plants. This panel is just as durable and easy to process as comparable conventional chipboards.

PRODUCT PROPERTIES

Board type	in line with P2
Fire behaviour	Normally flammable
Formaldehyde emission class	E1



Further information and technical data at www.pfleiderer.com

PremiumBoard Pyroex

Flame resistant particleboard, suitable for non load-bearing purposes in dry areas, for interior fitting and for furniture subject to higher demands on fire protection. (Construction materials class DIN 4102-B1).



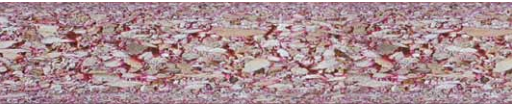
Format in mm Length	Width	Thickness
2,655	2,100	10 / 13 / 16 / 18 / 19 / 22 / 25 / 28 / 38
5,310	2,100	10 / 13 / 16 / 18 / 19 / 22 / 25 / 28 / 38

AREAS OF APPLICATION

This panel type combines all the advantages of the particleboard (high strength, above-average durability, easy to process, wide range of decorative lamination possibilities) with additional safety in the event of a fire. Through the addition of flame retardants, the burning rate of the raw particleboards is reduced, thus significantly increasing the fire resistance and delaying the “flash-over point”. The primary areas of application are interior fitting of rooms with high fire risk (laboratories, fuel station sales offices, TV studios). On request can also be FSC® license code: FSC-C011773 or PEFC™ certified.

PRODUCT PROPERTIES


Board type	in line with P2
Fire behaviour	Flame resistant B-s2, d0
Formaldehyde emission class	E1



Further information and technical data at www.pfleiderer.com

PremiumBoard MFP P5

Particleboard MFP, Type P5 to DIN EN 312, suitable for load-bearing purposes in damp areas.



Format in mm Length	Width	Thickness
2,500	1,250	10 / 12 / 15 / 18 / 22 / 25
2,800	1,194	12
5,030	2,500	10 / 12 / 15 / 18 / 22 / 25





AREAS OF APPLICATION

This multi-functional, moisture-resistant glued wood material is characterised by high bending and transverse loading resistance in longitudinal and transverse direction and high moisture resistance. This is ensured by the randomly distributed wood chips and the high-quality melamine-reinforced urea resins in the glue. It is thus ideally suited to a wide range of constructional applications and for the production of sturdy packagings. On request can also be FSC® license code: FSC-C011773 or PEFC™ certified.

PRODUCT PROPERTIES

Board type	P5
Fire behaviour	Normally flammable D-s2, d0
Formaldehyde emission class	E1






Further information and technical data at www.pfleiderer.com

LivingBoard P5

LEED-conformant, formaldehyde-free glued particleboard, Type P5 to DIN EN 312, suitable for load-bearing purposes in damp areas.



Format in mm Length	Width	Thickness
2,500	1,250	13 / 16 / 19 / 22 / 25
5,040	2,580	13 / 16 / 19 / 22 / 25

AREAS OF APPLICATION

Thanks to the (formaldehyde-free) PMDI gluing, this panel type is suitable for all fields of application with stricter emission and high strength demands. This wood material thus satisfies the special demands on healthy living in wood panelling and interior fitting. Thanks to the additional fine surface layer, this wood material can also be used in laminated form for LEED-certified buildings. On request can also be FSC® license code: FSC-C011773 or PEFC™ certified.

PRODUCT PROPERTIES

Board type	P5
Fire behaviour	Normally flammable D-s2, d0
Formaldehyde emission class	E1 – Blue Angel / formaldehyde-free glued

Blue Angel = German ecolabel 'Blauer Engel' UZ 76





Further information and technical data at www.pfleiderer.com

LivingBoard face contiprotect P5

High-strength, LEED-conformant, formaldehyde-free glued particleboard, Type P5 to DIN EN 312, suitable for load-bearing purposes in damp areas.



Format in mm		
Length	Width	Thickness
2,500	1,250	12 / 15 / 18 / 22 / 25
2,650	1,250	15
2,800	1,250	15
3,000	1,250	15
5,040	2,580	12 / 15 / 18 / 22 / 25

AREAS OF APPLICATION

This panel type can be used under tough and inclement conditions. With the unsanded contiprotect surface, it offers even better moisture resistance and swelling values. Thanks to the formaldehyde-free gluing, this wood material satisfies the special demands on healthy living in wood panelling and interior fitting. On request can also be FSC® license code: FSC-C011773 or PEFC™ certified.

PRODUCT PROPERTIES

Board type	P5
Fire behaviour	Normally flammable D-s2, d0
Formaldehyde emission class	E1 – Blue Angel /formaldehyde-free glued

Blue Angel = German ecolabel 'Blauer Engel' UZ 76



Further information and technical data at www.pfleiderer.com

LightBoard LP1

Weight-reduced, urea resin bonded particleboard as per CEN/TS 16368 LP1.



Format in mm		
Length	Width	Thickness
4,100	2,500	38
6,100	2,500	43

AREAS OF APPLICATION

This type of board has a reduced density and is suitable for door middle layers and door infill panels. On request can also be FSC® license code: FSC-C011773 or PEFC™ certified.

PRODUCT PROPERTIES

Board type	LP1
Formaldehyde emission class	E1
Medium raw density (EN 323)	430 kg/m³



Further information and technical data at www.pfleiderer.com

StyleBoard MDF plus

Medium-density fibreboard (MDF) in accordance with DIN EN 622-5, with uniform structure.



Format in mm Length	Width	Thickness
2,800	2,100	8 / 10 / 12 / 16 / 18 / 19 / 22 / 25 / 28 / 30 / 38
4,110	2,100	16 / 19

AREAS OF APPLICATION

This panel type offers for good profiling ability, optimal density distribution and outstanding surface stability and is optimally suited for high-quality furniture and interior fitting. On request can also be FSC® license code: FSC-C011773 or PEFC™ certified.

PRODUCT PROPERTIES

Board type	MDF
Fire behaviour	Normally flammable D-s2, d0
Formaldehyde emission class	E1

Also available in CARB 2-,
or F****-quality!



Further information and technical data at www.pfleiderer.com

StyleBoard HDF thin

High-density thin fibreboard to DIN EN 622-5, with uniform structure and good durability.



Format in mm Length	Width	Thickness
2,850	2,070	3 / 4 / 5

AREAS OF APPLICATION

This panel type has an even higher density, has a fine hard surface, high durability and is easy to process. This panel is impressive in many areas, whether trade fair construction, advertising panels, packaging, furniture back panels or as fronts for doors or lightweight construction panels. On request can also be FSC® license code: FSC-C011773 or PEFC™ certified.

Cutting to size	New saw with greater capacity for fixed dimensions installed. Guarantee for high level of cutting accuracy.
Grinding	New surface quality. Improved facing of HDF boards.

PRODUCT PROPERTIES

Board type	HDF
Fire behaviour	Normally flammable
Formaldehyde emission class	E1

Ground surface and fixed
dimensions possible.



Further information and technical data at www.pfleiderer.com

DecoBoard HDF

High-quality, high-density particleboard, with decorative melamine resin direct lamination in single sheet construction on both sides.



Format in mm Length	Width	Thickness	Textures
2,800	2,100	3 / 5	AH / HG / LI* / ML* / MO / MP / RU / SM / VV

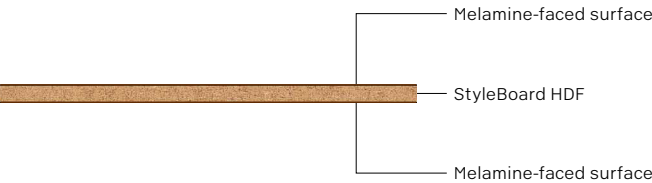
*The decor program is available on request.

AREAS OF APPLICATION

Back panels, drawer bottoms, blinds, partition walls in trade fair construction, shop fitting, interior design, caravan and motor vehicle construction.

PRODUCT PROPERTIES

Core material	StyleBoard HDF thin High-density fibreboard with homogeneous structure and good stability.
Fire behaviour	Normally flammable
Formaldehyde emission class	E1



Further information and technical data at www.pfleiderer.com

DecoBoard HDF lacquered

High-quality, high-density particleboard with single-sided lacquered surface.



Format in mm Length	Width	Thickness	Textures
2,850	2,070	2.5 / 3 / 4 / 5	lacquered (single-sided) / ZO

*Further thicknesses, formats, decors, textures and finishes on request.

AREAS OF APPLICATION

Back panels, drawer bottoms, blinds, partition walls in trade fair construction, shop fitting, interior design, caravan and motor vehicle construction.

PRODUCT PROPERTIES

Core material	StyleBoard HDF thin High-density fibreboard with homogeneous structure and good stability.
Fire behaviour	Normally flammable
Formaldehyde emission class	E1

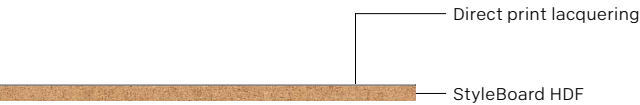
**The new DecoBoard –
synergy of experience and innovation.**

Proven quality:

- high-grade print
- high-grade varnish
- high-grade core material
- high-level competence in design and textures

New:

- larger color scale for more decors and optimized print
- possibility of additional vanish and textures
- further refinement by folding, drilling and cutting to size
- perfect sanded board quality
- Ground board surface possible
- Folding rear panel possible



Further information and technical data at www.pfleiderer.com

**YOU CAN HAVE A CLEAR
CONSCIENCE WHEN YOU
WORK WITH US.**



Sustainable thinking and action is essential for all of our futures. Especially amongst your customers, the awareness of sustainably produced products that are suitable for a healthy living environment is constantly growing.

Pfleiderer pays attention to the absolute sustainability of all the company's activities. On all levels – economic, ecological and social: we not only manufacture our products with the utmost care, but also within the framework of a certified environment management system. In the production process, Pfleiderer pays attention to absolute ecology, e.g. in the formaldehyde-free glued panel LivingBoard, which has been synonymous with sustainable construction for almost four decades.

We also have a special responsibility as an employer: for this reason, a culture of trust focused on autonomous action is fostered in our company. Sustainability from which you benefit – through environmentally friendly products, dedicated employees and maximum satisfaction.



For customers in the UK:
24-HOUR SERVICE
Samples available to order
around the clock:
Tel.: +44 (0) 1625 660 411
Fax: +44 (0) 1625 617 301
info@pfleiderer.co.uk
www.pfleiderer.co.uk



**ANY QUESTIONS?
WE LOOK FORWARD TO
HEARING FROM YOU.**

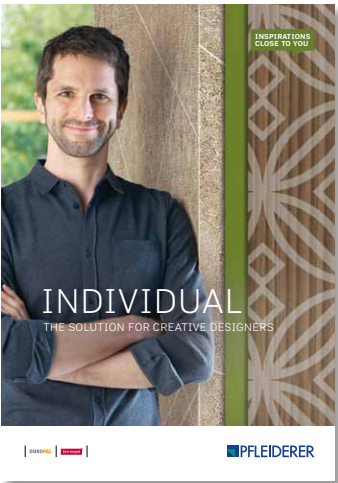
Your satisfaction is our ultimate goal. But we go beyond this: Our goal is to surpass your expectations. That is why our partners can expect the highest standards in all areas of our operations. Do you have a specific project or just a simple question? Whichever way: We look forward to new challenges – and to your call.

**FIND OUT ABOUT OUR
DECOR RANGE FOR DOORS**



HPL FOR DOORS

No door board without suitable decor. In our "HPL for doors" brochure you will find a range of more than 100 decors that is guaranteed to have one suitable for your purpose.



INDIVIDUAL

It couldn't be more individual: With our "Individual" range you have the opportunity to create your very own personal decor using state-of-the-art digital printing technology.



For customers in the UK:
24-HOUR SERVICE

**Samples available to order
around the clock:**

Tel.: +44 (0) 1625 660 411

Fax: +44 (0) 1625 617 301

info@pfleiderer.co.uk

www.pfleiderer.co.uk



For all countries except UK:
SAMPLE SERVICE

Tel.: +49 (0) 9181 / 28 480

Fax: +49 (0) 9181 / 28 482

samples@pfleiderer.com

© Copyright 2017 Pfleiderer Deutschland GmbH.

This information has been compiled with the greatest care. Nevertheless we can assume no liability for the correctness, completeness and up-to-dateness of this information. Colour deviations caused by the printing technology are possible.

In view of the ongoing further development and adaptation of our products, possible amendments to the relevant standards, laws and regulations, our technical data sheets and product documentation expressly do not constitute a legally binding assurance of the properties described there. In particular no guarantee of suitability for a concrete application can be derived. It is therefore the personal responsibility of the individual user in all cases to check the processing and suitability of the products described in this document for the intended application in advance, and to take into consideration the legal framework and the respective state-of-the-art. We furthermore expressly draw attention to the applicability of our General Terms and Conditions.

Our General Terms and Conditions can be found on our Internet website: www.pfleiderer.com

**Pfleiderer employs wood
from certified sustainable
forest management.**



Matching ABS edges can be obtained
directly from your Pfleiderer dealer
or through Rudolf Ostermann GmbH:
www.ostermann.eu



For CPL laminate edges:

Please contact us for a quotation.

Pfleiderer UK Limited · Oakfield House · Springwood Way · Tytherington Business Park · Macclesfield
Cheshire SK10 2XA · England · Tel.: +44 (0) 16 25 660 410 · Fax: +44 (0) 16 25 617 301 · info@pfleiderer.co.uk · www.pfleiderer.co.uk
Pfleiderer Deutschland GmbH · Ingolstädter Straße 51 · 92318 Neumarkt · Germany
Tel.: +49 (0) 9181/28 480 · Fax: +49 (0) 9181/28 482 · info@pfleiderer.com · www.pfleiderer.com