

U1900Mint

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".



*Patent no.: DE 10 2007 020390.1

AREAS OF APPLICATION

Due to the biocidal active ingredient used in the manufacture of the product, the microplus® surface has an antibacterial effect. We can offer interior designers, fitters and end customers real added value, whose advantages speak for themselves: The result is reliability and safety in places where hygiene is important – and especially in health care and interior design projects.

Health and Care

Have you ever caught an illness in hospital? According to the Deutsche Gesellschaft für Krankenhaushygiene e.V., Germany's association for hygiene in hospitals, this is far from unusual: even though a patient's original illness may be cured, many develop new infections by succumbing to one of the many bacteria that occur in a hospital. Even medical disinfectants are only of limited benefit. This is a problem that arises wherever working activities are based around health and care: in doctors' surgeries, nursing homes, or in medical research. This is where the antibacterial effect of the microplus® surface sets future hygiene standards: especially in the periods between the cleaning intervals, it provides durable, permanent protection against germs and bacterias.

Interior Design Projects

It can be as simple as touching the bar in your favourite pub, using a public toilet or going to the swimming pool: in any of these everyday activities, bacteria can be quickly transmitted. People who are responsible for public buildings or catering facilities have a high level of responsibility towards their customers or guests. Especially in areas with a high level of public traffic, bacteria have a particularly easy life. Our tip: when it comes to design projects in areas with large amounts of public traffic, advise your customers to use microplus.





Tested safety

TESTED SAFETY

micro PLUS®

Reliability and safety for the lifespan of the product: the active antibacterial surface microplus® fulfils this claim to the highest degree. This has been confirmed by test results and certificates from the independent and renowned test institutes SGS FRESENIUS, ISEGA and GfPS. The result: The antibacterial function of the microplus® surface acts safely, reliably, durably and effectively against bacteria. The surface is completely suitable for use with food, and safe to process. SGS FRESENIUS has confirmed this: Frequently occurring bacteria on the microplus® surface are reduced by significantly more than 99% within 24 hours. Even scratches and areas of wear will not affect the anti-

bacterial effects. The integrated protection of micro-PLUS® neutralises, permanently and effectively, the ability of bacteria to grow and multiply. Due to the uniform distribution, the antibacterial effect of microPLUS® is over the whole surface – and thus even under heavy use conditions it is effective for the whole product life cycle. There is no transfer or emission to, for instance, foods or into the air. microPLUS® is free from organochlorine substances and has not toxic side effects. Despite its hygienic effectiveness, cleaning of surfaces is still required, but cleaning intervals and the use of desinfectants are reduced.

${\bf Comparison\ of\ the\ antibacterial\ effects\ of\ various\ materials\ (test\ results\ SGS\ FRESENIUS)}$

(effectiveness to the power of ten)

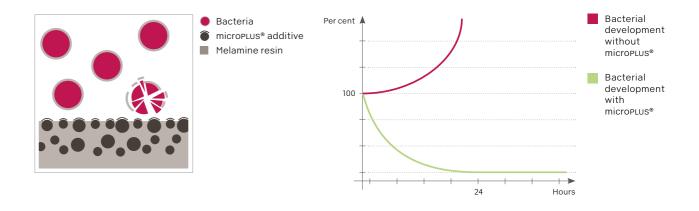
Bacteria	Material								
	microplus®	Realstone / granite	Ceramics	Real metal	PVC	Acrylic	Mineral materials		
Pseudomonas aeruginosa	> 4.9	-0.6	<-0.6	0.2	-0.3	-0.5	0.3		
Staphylococcus aureus	> 4.8	0.2	0.3	1.8	0.2	0.2	0.6		
Salmonella choleraesuis	> 4.9	0.1	0.3	2.1	0.2	0.1	0.5		
Escherichia coli	> 4.4	<-1.0	< -1.0	< -1.0	<-0.8	<-1.0	<-0.5		
Result	highly effective	no effect	no effect	minimal effect	no effect	no effect	no effect		

The result: compared to the other materials tested, the surface of microplus® is more than 1,000 times more antibacterially effective.



MRSA are germs resistant to certain antibiotics and are therefore a focus of hospital hygiene. microplus® is sustainably effective against MRSA.

This is how the integrated protection of microplus® works





Extracts from the certificate for the antibacterial efficiency of Duropal microplus® – SGS INSTITUT FRESENIUS GmbH, Taunusstein: microplus® demonstrated a strong antibacterial effect in all microbiological evaluations (based on JIS Z2801), i.e. a minimum of 99 per cent of all bacteria had been destroyed within 24 hours. Only positive results were achieved in the relevant tests into the long-term effect of microplus® products with an antibacterial finish. Maximum damage was caused to microplus® surfaces in a simulation of the life cycle. The antibacterial effect remained entirely unaffected.

Extract from the declaration of no objection regarding microPLUS® – test and research centre ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH Aschaffenburg: The product microPLUS®, as per the samples presented, may safely be used as a surface in kitchens where food is prepared and processed and in sanitary facilities. It may get in direct contact with all kinds of foodstuffs.

Excerpt from the GfPS test results for microplus® (Gesellschaft für Produktionshygiene und Sterilitässicherung mbH Aachen): The material was subjected to an impact test with Staphylococcus aureus ATCC 6538, Staphylococcus ATCC 700698 (= MRSA), Pseudomonas aeruginosa ATCC 15442, Escherichia coli ATCC 8739 and Salmonella enterica ssp. enterica NCTC 6017 in a concentration of 1-5 x 105 KBE/sample. After a contact time of 24 hours a reduction of more than 3.6 log10 levels was found for all test germs.

microplus®

High pressure laminates (HPL)

DUROPAL HPL

- High-quality, robust high pressure laminates (HPL)
- Hygienic, easy-care, safety for foodstuffs
- Ideal for areas with high usage demands

Format in mm		Dicke in mm							
Length Width		0.5	0.6	0.8	1.2				
Duropal HPL/Duropal									
2,350	1,050 / 1,300			•					
3,050	1,300			•					
4,100	1,300	•	•	•					
5,300	1,300		•	•	•				

On request also available in sizes from 2,050 to $5,300 \times 1,300 \times 0.5 / 0.6 / 0.8 / 1.2 \text{ mm}$.

Gloss Prospects: DessangeSalon, Hairdressing salon Vienna



Further information and technical data at www.pfleiderer.com

DUROPAL FLAT BONDED ELEMENTS

- The right material composition for every application:
 Duropal HPL with a variety of core materials
- Hygienic and easy-care
- Ideal for areas of high specification demand
- Duropal furniture elements, including high-quality edge option

Format in mm	HPL-Thickness	Overall Thickness in mm								
	0.8	9.6	16	17.6	19	20.6	23.6	25	29.6	39.6
Duropal Elemen	t P2									
2,650 x 1,300	•				•					
3,050×1,300	•				•					
4,100 x 1,300	•	•	•	•	•	•	•	•	•	•
Duropal Elemen	t P3									
4,100 x 1,300	•					•				
Duropal Element MDF plus										
4,100 x 1,300	•					•				

Design Format in mm		HPL-Thickness in mm		Thickness in mm						
Front edge	Rear edge	Length	Width	0.6	0.8	9.2	9.6	11.6	17.6	19.6
Duropal Furniture Element P2										
milled	milled	4,100	600-640	•		•				
		4,100	1,285		•		•	•	•	•

Further information and technical data at www.pfleiderer.com

Worktops and windowboards

DUROPAL WORKTOPS AND WINDOWBOARDS

- The convenient solution for furniture and interior fitting
- High-quality, sturdy HPL surface
- Hygienic and easy-care
- Choice of different variants



Design		Format in	mm	Overall 1	Overall Thickness in mm			
Front edge	ront edge Rear edge		Length Width			28.8	38.8	
Duropal Worktop Per	rForm			_				
Laser edge	Protective edge	4,100	600 / 900 / 1,200				•	
		5,.300	600 / 900 / 1,200				•	
Laser edge	Laser edge	4,100	670 / 900				•	
		5,300	670 / 900				•	
Duropal Worktop Cla	essic							
Radius 6 mm	Protective edge	4,100	600 / 900 / 1,200			•	•	
		5,300	600 / 900 / 1,200			•	•	
Radius 6 mm	Radius 6 mm	4,100	670 / 900			•	•	
		5,300	670 / 900			•	•	
Duropal Worktop Qu	adra							
Radius 3 mm	Protective edge	4,100	600 / 900 / 1,200			•	•	
		5,300	600 / 900 / 1,200			•	•	
Radius 3 mm	Radius 3 mm	4,100	670 / 900			•	•	
		5,300	670 / 900			•	•	
Duropal Worktop, sq	uare edged profile							
milled	milled	4,100	600 / 900 / 1,200			•	•	
		4,100	650				•	
		5,300	600 / 900 / 1,200			•	•	
Duropal Windowboa	rd							
38 mm folded edge	Protective edge	4,100	200 / 250 / 300 / 400 / 500 FBL	•				
Radius 5 mm	Protective edge	4,100	200/250/300/400/500 FBK		•			

Further information and technical data at www.pfleiderer.com

For customers in the UK:

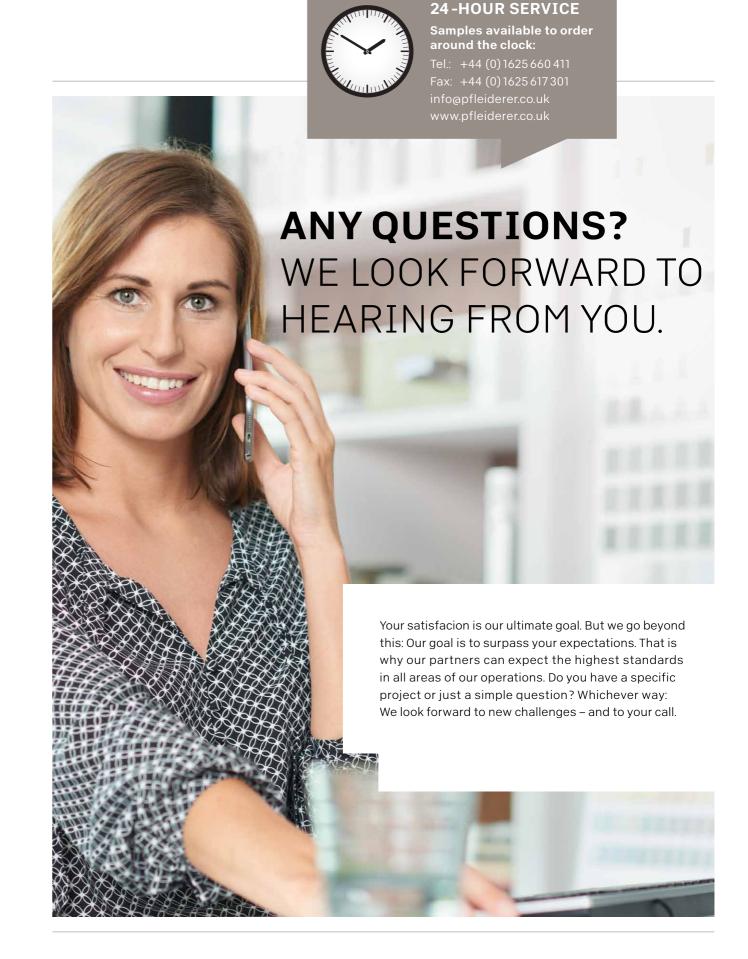
YOU CAN HAVE A CLEAR CONSCIENCE WHEN YOU WORK WITH US.



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 all countries except UK:

SAMPLE SERVICE

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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.