

# PERFORM-BOARD

CUSTOM SOLUTIONS  
FOR HIGH PERFORMANCE  
STORAGE TECHNOLOGY



MADE IN GERMANY

MAKE  
YOUR  
VISIONS  
WORK.

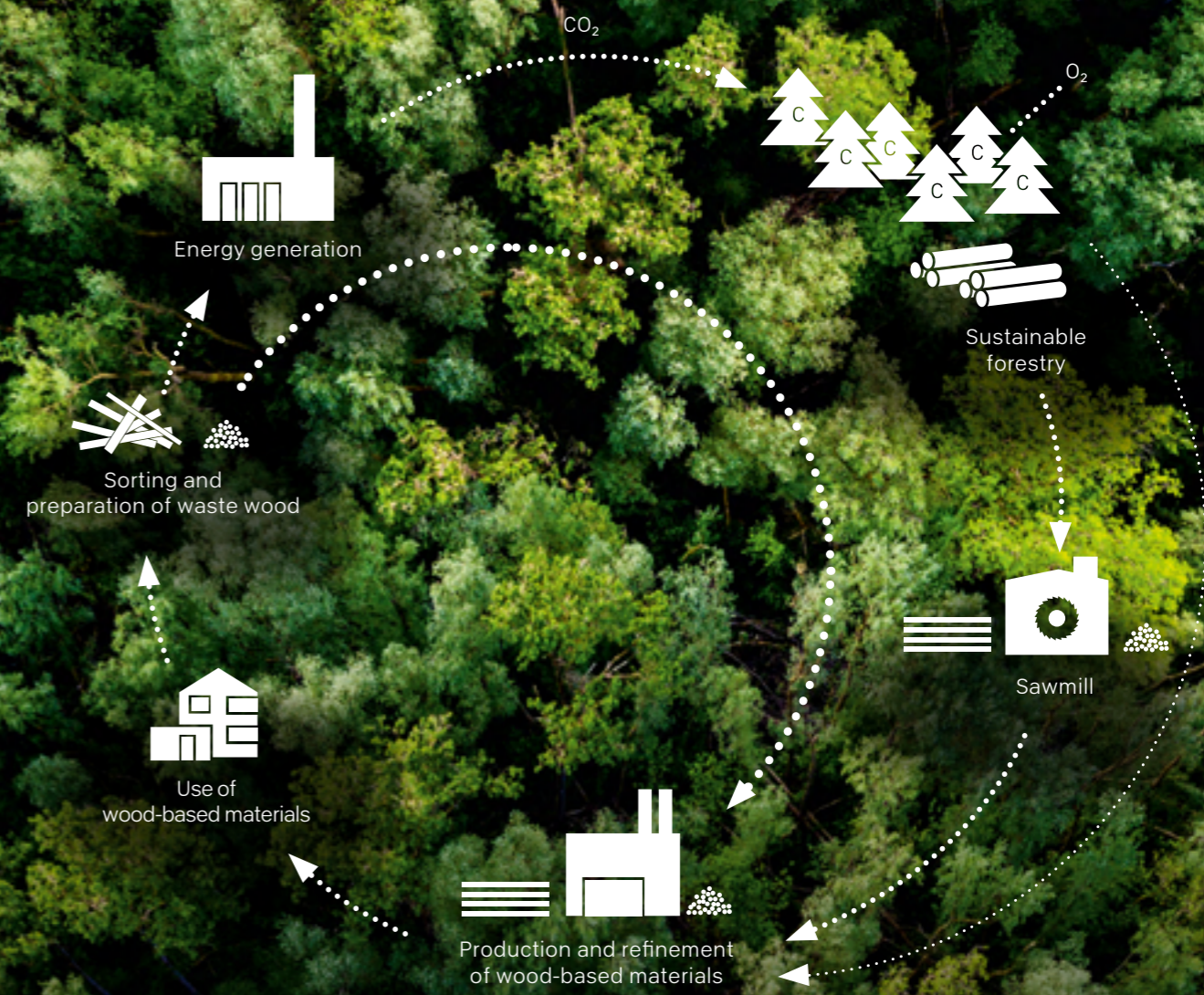
**MAKE  
YOUR  
VISIONS  
WORK.**

DecoBoard and PremiumBoard for project-related mezzanine flooring panels are now called

**PERFORMBOARD!**

## **TAILOR-MADE WITH PRECISION FOR YOUR PROJECT: PFLEIDERER'S PERFORMBOARD.**

The warehousing and logistics industry calls for high performance and efficiency standards. PerformBoard is precisely custom cut, enabling you to be able to offer your customers an optimum product. Whats more if necessary our expertise is available to you throughout each step of your project remotely or directly on site.



## **THE ENCAPSULATION OF SUSTAINABILITY.**

PerformBoard is a urea resin bonded particle board with a high recycled wood content that is manufactured according to the cascade economy principle. The board has been awarded a wide range of sustainability certifications and is available raw, or optionally finished with a non-slip melamine coating on one or both sides. PerformBoard is available in a broad spectrum of load and fire protection rating versions. It is custom manufactured on an individual project basis, and delivered directly to the construction site.

## We've got more in store for you – an on-site service!

Pfleiderer not only offers its warehouse technology with high performance products, but also with a range of well-thought-out services.

- Individual project advice.
- Project management services including installation plan and drawing up a list of the materials required.
- Direct delivery to the construction site.
- Preconfigured custom cut panels from a batch size of one.
- Advice related to their use including on-site service.

## BUILT-IN SAFETY: FIRE PREVENTION

The EN 13501-1 reaction to fire classification system for building materials is recognised Europe-wide. The classes stated in the EN 13501-1 meet the following building regulation standards, as well as additional requirements with regard to smoke production and the production of burning droplets/particles. The floor area fire load is classified specifically for flooring.



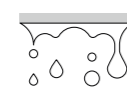
Reaction to fire



Flooring reaction to fire



Smoke production



Burning droplets

<b>A</b>	no contribution to fire (A1, A2)	<b>Afl</b>	no contribution to fire (A1, A2) on floor areas	<b>s1</b>	low smoke production	<b>d0</b>	no dripping of burning droplets/particles within 600 seconds
<b>B</b>	very limited contribution to fire	<b>Bfl</b>	very limited contribution to fire on floor areas	<b>s2</b>	average smoke production	<b>d1</b>	slow dripping droplets/particles that do not continue to burn for longer than 10 seconds within 600 seconds
<b>C</b>	limited contribution to fire	<b>Cfl</b>	limited contribution to fire on floor areas	<b>s3</b>	high smoke production or smoke production not tested	<b>d2</b>	intense dripping droplets/particles
<b>D</b>	acceptable contribution to fire	<b>Dfl</b>	acceptable contribution to fire on floor areas				
<b>E</b>	acceptable reaction to fire	<b>Efl</b>	acceptable reaction to fire on floor areas				
<b>F</b>	easily flammable	<b>Ffl</b>	easily flammable on floor areas				

A differentiation is usually made between the internal surface and the ceiling side's reaction to fire. On the one hand, this involves testing the flammability and flame spread on the side that you walk on. On the other, it involves testing the flammability of the surface is measured and examining how the material reacts at the incipient stage of a fire. In this way, fire protection classes are defined for both categories; the ceiling side classification also takes the dripping performance into account.

## BASIS FOR HIGH-PERFORMANCE LOGISTICS: OVERVIEW OF THE PERFORMBOARD RANGE

**Calculation format:** 5,310 x 2,100 x 38 mm  
**Usable format:** 5,280 x 2,070 x 38 mm  
 Custom cut formats from a quantity of one.

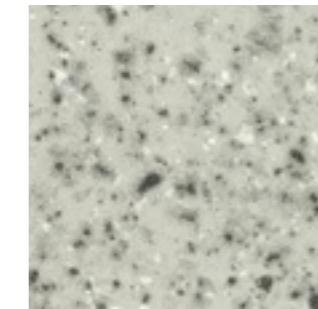
Surface side		PerformBoard raw Dfl P4	PerformBoard raw Cfl P6	PerformBoard raw Cfl P6 plus	PerformBoard raw Dfl P5	PerformBoard White Dfl P4	PerformBoard White Cfl P6	PerformBoard raw Pyroex Dfl P4	PerformBoard raw Pyroex Cfl P6	PerformBoard Cfl P4	PerformBoard Cfl P6	PerformBoard Bfl P6	PerformBoard Pyroex Bfl P4	PerformBoard Pyroex Bfl P6	PerformBoard Firestop Cfl P4	PerformBoard Firestop Bfl P6
	Raw	•	•	•	•	•	•	•	•							
	<b>F79004</b> Cosmos 1, grey									•	•	•	•	•	•	•
	<b>U12018</b> Basalt Grey									•	•	•	•	•	•	•
Reverse side																
	Raw	•	•	•	•			•	•							
	<b>W10410/W10141</b> Opaque White / Frontal White					•	•			•	•	•	•	•	•	•
Surface finish										R10   R12	R10   R12	R10   R12	R10   R12	R10   R12	R10   R12	R10   R12
Slip resistance										AC 4	AC 4	AC 4	AC 4	AC 4	AC 4	AC 4
Abrasion resistance										AC 4	AC 4	AC 4	AC 4	AC 4	AC 4	AC 4
Fire protection																
Surface side		Dfl-s1	Cfl-s1	Cfl-s1	Dfl-s1	Dfl-s1	Cfl-s1	Dfl-s1	Cfl-s1	Cfl-s1	Cfl-s1	Bfl-s1	Bfl-s1	Bfl-s1	Cfl-s1	Bfl-s1
Reverse side		D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	B-s2, d0	B-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0	B-s1,d0	B-s1,d0	B-s1,d0	B-s1,d0
Edge version																
	Groove + loose tongue	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



Steer your project towards success with us: simply contact us at [pfleiderer.com/storage-technology](https://www.pfleiderer.com/storage-technology), and we'll discuss the details with you. We are looking forward to your enquiry!



Raw



**F79004**  
Cosmos 1, grey



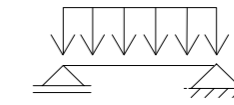
**U12018**  
Basalt Grey



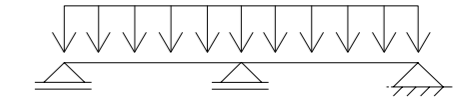
**W10410/W10141**  
Opaque White / Frontal White

## PERFORMBOARD LOAD TABLES

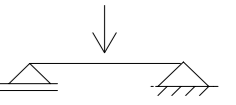
Supporting member spacing (centre distance) [cm], maximum permissible surface load for thickness stated [mm], spans and deflection criteria [kN/m<sup>2</sup>] – use class 1 – load duration class: medium-term



Single-span beam with surface load\*



Double-span beam with surface load simultaneously applied to both spans\*



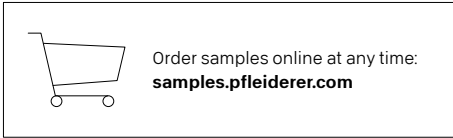
Single-span beam with point load\*

Thickness in mm	Supporting member spacing (centre distance) in cm																Deflection criteria										
	30	35	40	45	50	55	60	62.5	65	70	75	80	85	90	95	100		105	110	115	120	125	130	135	140	145	150
38	<b>P4 BOARDS / single-span beam with surface load</b>																										
	53.4	39.2	30.0	23.7	19.2	15.8	13.3	12.3	11.3	9.8	8.5	7.5	6.6	5.9	5.3	4.7	4.0	3.5	3.0	2.6	2.3	2.0	1.8	1.6	1.4	1.2	L/150
	53.4	39.2	30.0	23.7	19.2	15.8	13.3	12.3	11.3	9.8	8.4	6.9	5.7	4.8	4.0	3.4	2.9	2.5	2.2	1.9	1.7	1.4	1.3	1.1	1.0	0.9	L/200
	160.2	117.6	90.0	71.1	57.5	47.5	39.9	36.7	33.9	29.2	25.4	22.3	19.8	17.6	15.8	14.2	12.9	11.7	10.7	9.8	9.0	8.3	7.7	7.1	6.6	6.2	Break
38	<b>P4 BOARDS / double-span beam with surface load</b>																										
	49.5	39.2	30.0	23.7	19.2	15.8	13.3	12.3	11.3	9.8	8.5	7.5	6.6	5.9	5.3	4.7	4.3	3.9	3.6	3.3	3.0	2.8	2.6	2.4	2.2	2.1	L/150
	49.5	39.2	30.0	23.7	19.2	15.8	13.3	12.3	11.3	9.8	8.5	7.5	6.6	5.9	5.3	4.7	4.3	3.9	3.6	3.3	3.0	2.8	2.6	2.4	2.2	2.1	L/200
	148.4	117.6	90.0	71.1	57.5	47.5	39.9	36.7	33.9	29.2	25.4	22.3	19.8	17.6	15.8	14.2	12.9	11.7	10.7	9.8	9.0	8.3	7.7	7.1	6.6	6.2	Break
38	<b>P4 BOARDS / single-span beam with point load</b>																										
	8.0	6.9	6.0	5.3	4.8	4.3	4.0	3.8	3.7	3.4	3.2	3.0	2.8	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.5	1.4	1.2	1.1	1.0	L/150
	8.0	6.9	6.0	5.3	4.8	4.3	4.0	3.8	3.7	3.4	3.2	3.0	2.8	2.6	2.3	2.1	1.8	1.6	1.5	1.3	1.2	1.1	1.0	0.9	0.8	0.7	L/200
	24.0	20.5	18.0	15.9	14.3	13.0	11.9	11.4	11.0	10.2	9.5	8.8	8.3	7.8	7.4	7.0	6.6	6.3	6.0	5.7	5.5	5.3	5.0	4.8	4.6	4.5	Break

Thickness in mm	Supporting member spacing (centre distance) in cm																Deflection criteria										
	30	35	40	45	50	55	60	62.5	65	70	75	80	85	90	95	100		105	110	115	120	125	130	135	140	145	150
38	<b>P6 BOARDS / single-span beam with surface load</b>																										
	89.8	65.9	50.5	39.9	32.3	26.7	22.4	20.6	19.1	16.4	14.3	12.6	11.1	9.7	8.2	7.0	6.0	5.2	4.5	4.0	3.5	3.1	2.7	2.4	2.1	1.9	L/150
	89.8	65.9	50.5	39.9	32.3	26.7	22.4	20.6	19.1	15.5	12.6	10.3	8.6	7.2	6.1	5.2	4.5	3.8	3.3	2.9	2.6	2.2	2.0	1.8	1.6	1.4	L/200
	250.1	183.7	140.6	111.0	89.9	74.2	62.3	57.4	53.1	45.7	39.8	35.0	31.0	27.6	24.7	22.3	20.2	18.4	16.8	15.4	14.2	13.1	12.1	11.3	10.5	9.8	Break
38	<b>P6 BOARDS / double-span beam with surface load</b>																										
	82.4	65.9	50.5	39.9	32.3	26.7	22.4	20.6	19.1	16.4	14.3	12.6	11.1	9.9	8.9	8.0	7.3	6.6	6.0	5.5	5.1	4.7	4.4	4.1	3.8	3.5	L/150
	82.4	65.9	50.5	39.9	32.3	26.7	22.4	20.6	19.1	16.4	14.3	12.6	11.1	9.9	8.9	8.0	7.2	6.3	5.5	4.8	4.2	3.7	3.3	2.9	2.6	2.3	L/300
	229.5	183.7	140.6	111.0	89.9	74.2	62.3	57.4	53.1	45.7	39.8	35.0	31.0	27.6	24.7	22.3	20.2	18.4	16.8	15.4	14.2	13.1	12.1	11.3	10.5	9.8	Break
38	<b>P6 BOARDS / single-span beam with point load</b>																										
	13.5	11.5	10.1	9.0	8.1	7.3	6.7	6.4	6.2	5.7	5.3	5.0	4.7	4.4	4.2	4.0	3.8	3.5	3.2	2.9	2.6	2.4	2.2	2.0	1.8	1.7	L/150
	13.5	11.5	10.1	9.0	8.1	7.3	6.7	6.4	6.2	5.7	5.3	5.0	4.5	4.0	3.5	3.2	2.8	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.3	1.2	L/200
	37.5	32.1	28.1	24.9	22.4	20.4	18.6	17.9	17.2	15.9	14.8	13.9	13.1	12.3	11.6	11.0	10.5	10.0	9.5	9.1	8.7	8.4	8.0	7.7	7.4	7.2	Break

**Please note:** The tables are to be used for preliminary dimensioning purposes and are no substitute for a structural analysis in specific cases.

\* Calculated values as per DIN EN 12369-1:2001-04 / calculation in conformity with DIN EN 1995-1-1:2010-12



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**Pfleiderer uses wood from Certified Sustainable Forest Management.**



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MADE IN GERMANY

**Good to know: the Pfleiderer quality promise.**

Pfleiderer wood-based panels stand for quality without compromise. We use sustainable raw materials and state-of-the-art production processes and we are fully committed to our site in Germany. For more information, visit [quality.pfleiderer.com](http://quality.pfleiderer.com).

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