

MATERIAL COMPARISMENT

18 Interior Materials

[C02]

made by

Partikal

200 Hours, 18 Selected Interior Materials,
Combined in 22 Pages

Dear you,
I spent over 200 hours reading sustainability
certificates on interior materials so you don't have
to.

Our goal is to help you make sustainable material
choices when working on interiors.

Whether you're designing and proposing materials for
architectural projects, working with the materials
yourself, or simply using them, than this is for you.

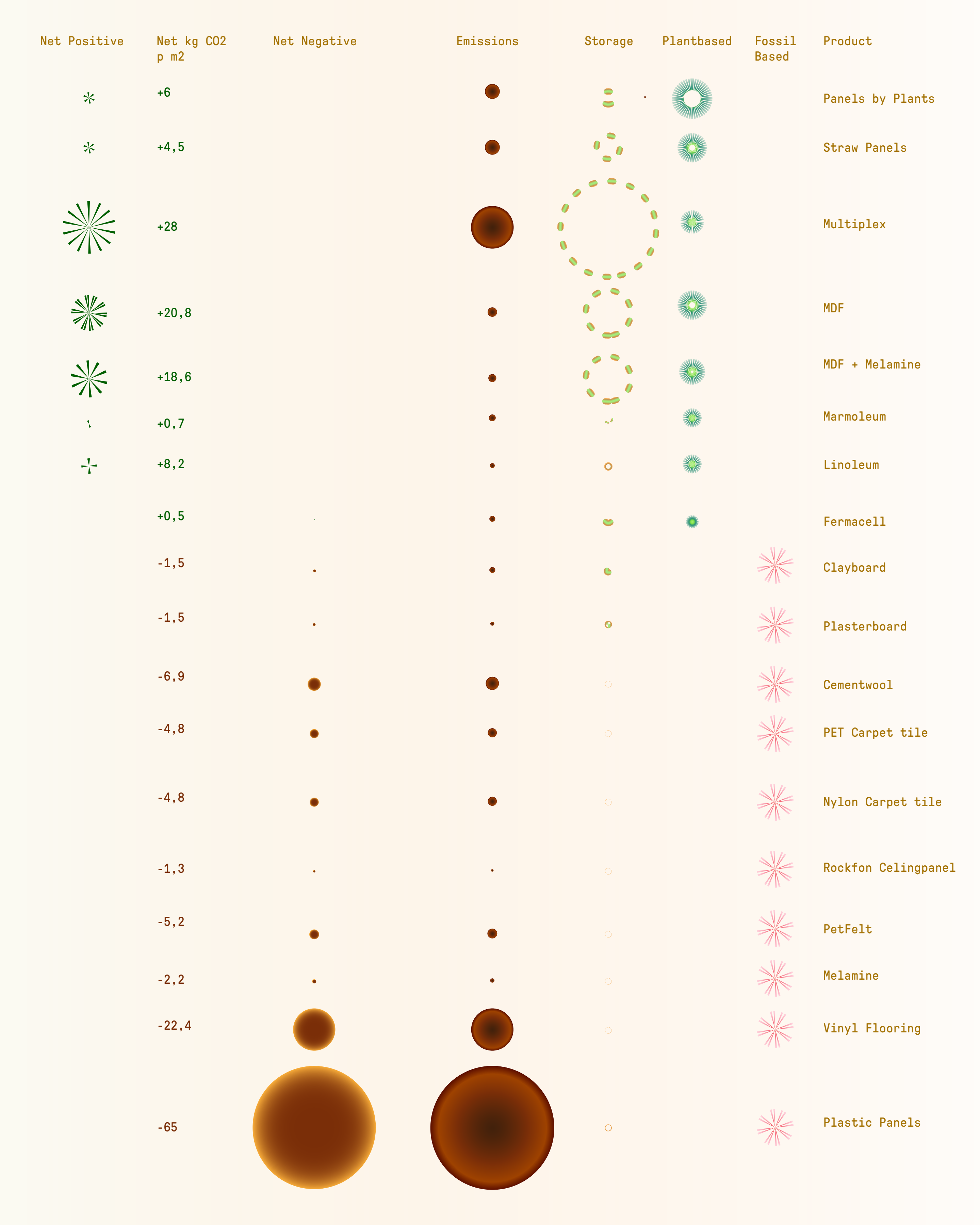
Because I want to keep living on this planet, with
you. I hope this document helps you on our path
forward.

Enjoy,
Rik Makes
Founder of Partikal / Compostboard

PS – just a small note: this document is version 1.
If you're missing materials, please let us know!
Send us a message about the material you are missing
and we'll add it to the comparison for version 2.

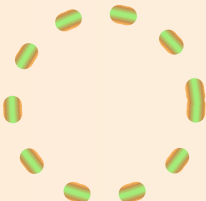
info@compostboard.bio

*This document shows the comparisment of Carbon Storage,Emissions and Net
Outcome during the Production phase.
The numbers are based on the latest sustainability certificates (EPD) of the
manufacturers and are reviewed in 2026.



Panels by Plants
 Partikal - Compostboard

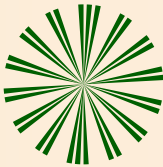
kg C02 p m2



Stored
 +7



Emissions
 -0,9

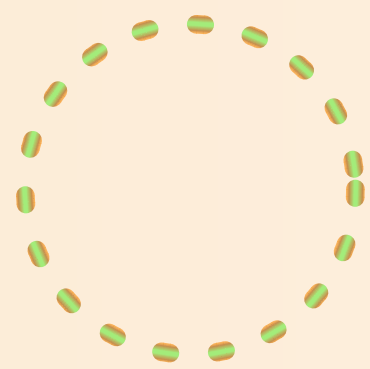


Net
 +6

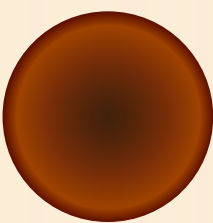
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Straw Panel
VestaEco

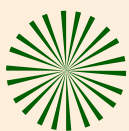
kg C02 p m2



Stored
+12,4



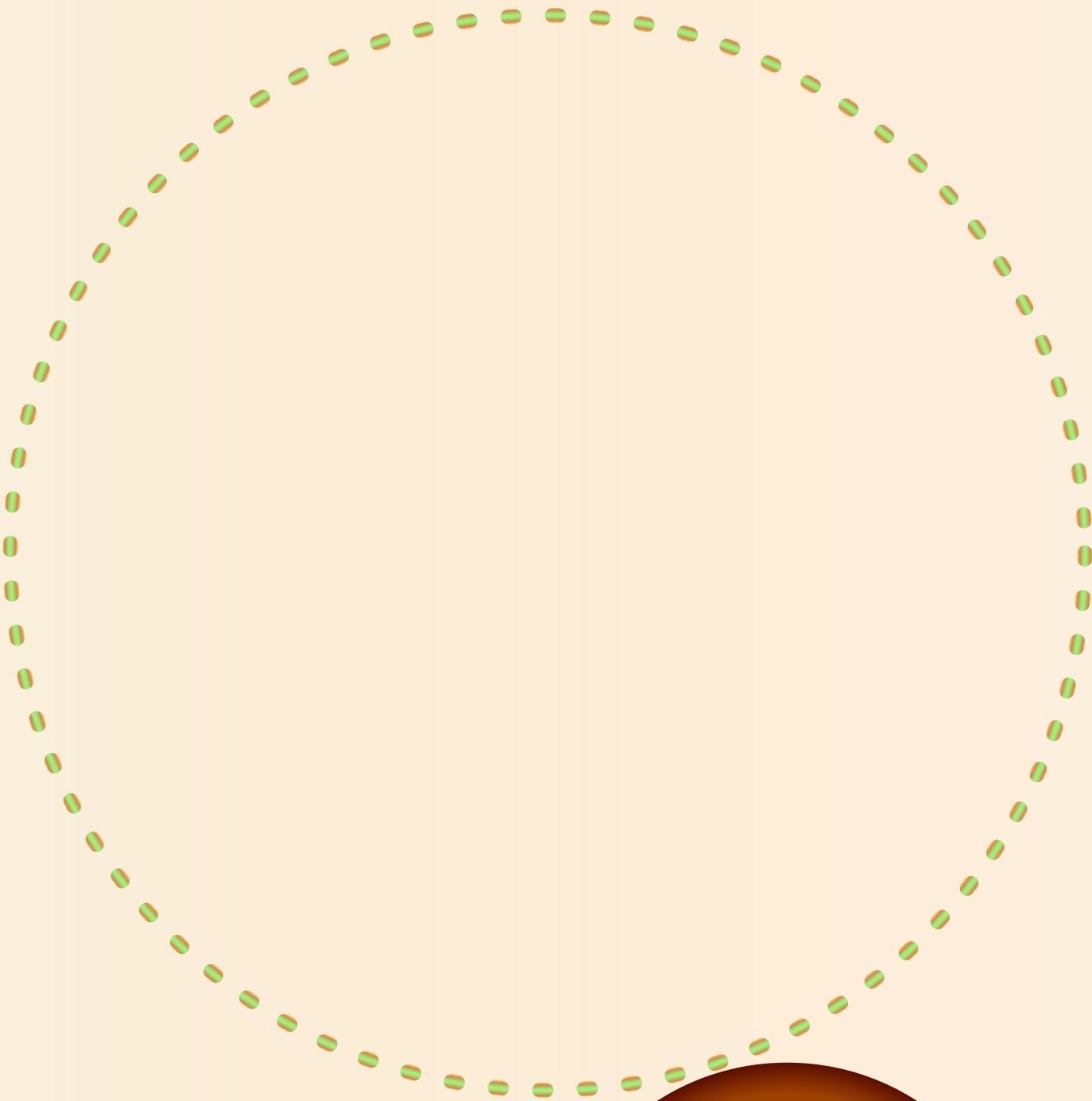
Emissions
-7,9



Net
+4,5

Multiplex
Sklejka-Multi

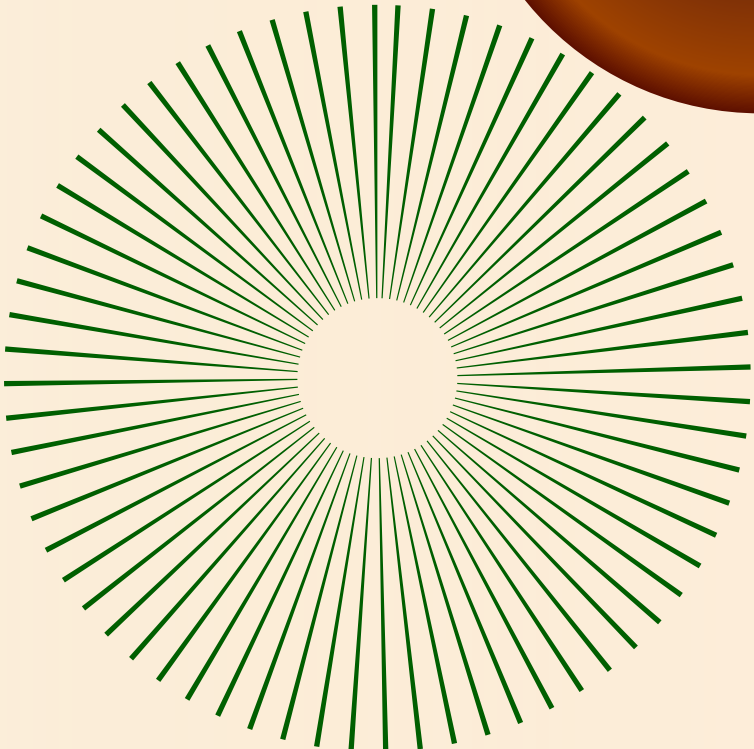
kg CO₂ p m²



Stored
+50,7

Emissions
-22,7

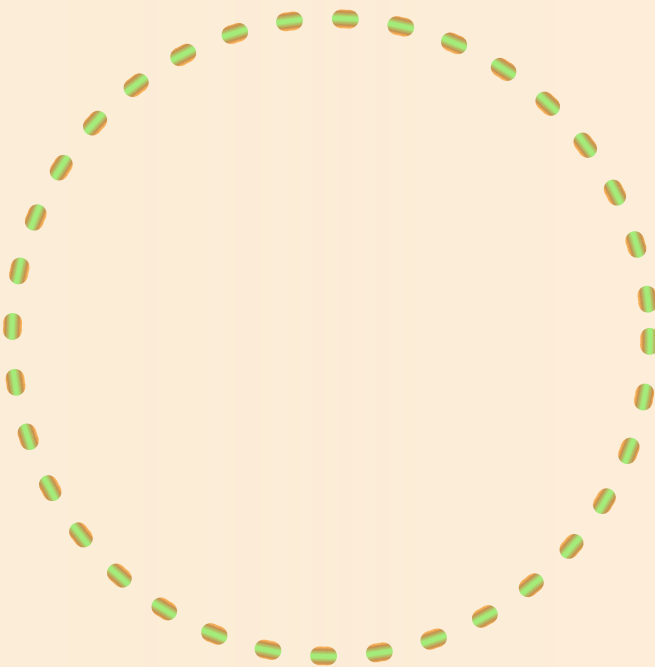
Net
+28



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Partikal

MDF
Kronospan

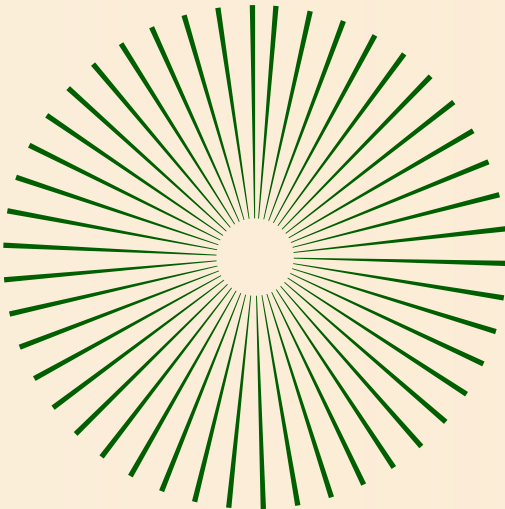
kg CO₂ p m²



Stored
+25,3



Emissions
-4,5

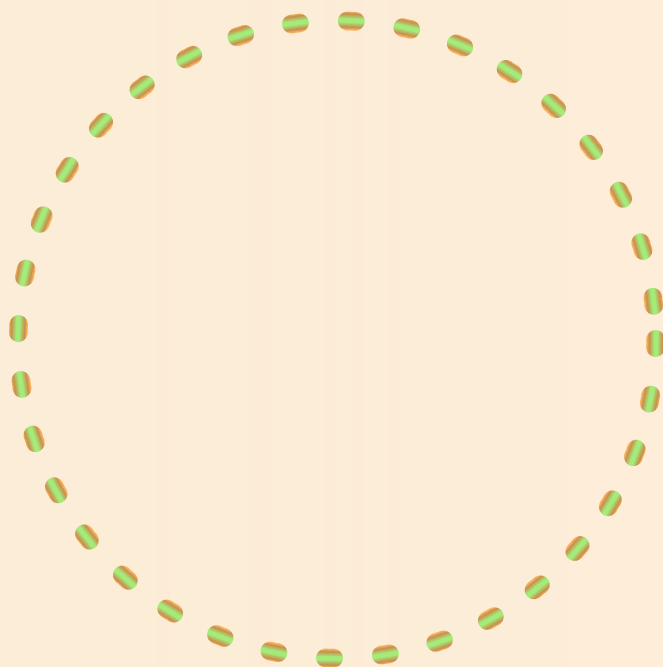


Net
+20,8

made by
Partikal

MDF Melamine
Kronospan

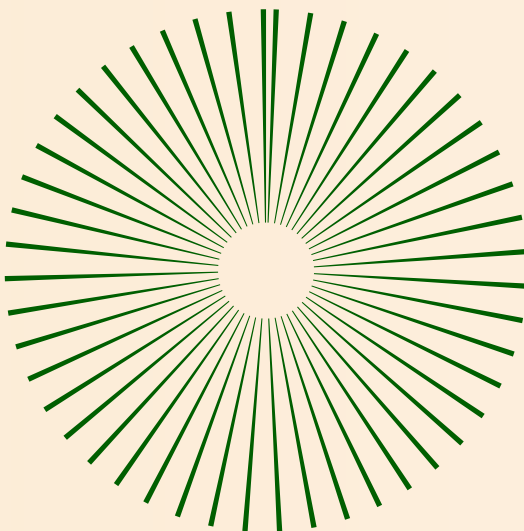
kg C02 p m2



Stored
+25,4



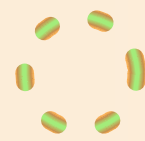
Emissions
-6,8



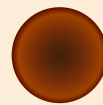
Net
+18,6

Marmoleum
Forbo

kg CO₂ p m²



Stored
+4,3



Emissions
-3,6



Net
+0,7

made by
Partikal

Linoleum
Forbo

kg CO₂ p m²



Stored
+3,5



Emissions
-2,6



Net
+0,9

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Fermacell
Fermacell

kg CO₂ p m²



Stored
+3,6



Emissions
-3,1

*

Net
+0,5

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Clayboard
Minera Sabater

kg CO₂ p m²



Stored
+1,6



Emissions
-3,1



Net
-1,5

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Plasterboard

Gyproc

kg C02 p m2

Stored
+0,6



Emissions
-2,1



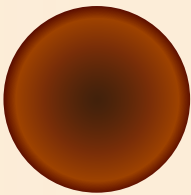
Net
-1,5

CementWool
Stiga RM

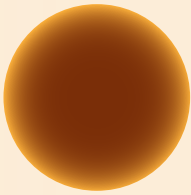
kg C02 p m2

0

Stored
0



Emissions
-7



Net
-7

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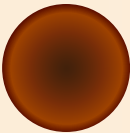
PET Carpet Tile

Interface

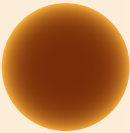
kg CO₂ p m²

0

Stored
0



Emissions
-4,8



Net
-4,8

Nylon Carpet Tile

Interface

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

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kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

kg C02 p m2

Stored
0

Emissions
-7,3

Net
-7,3

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Partikal

Acoustic Ceilingpanel
Rockfon

kg CO₂ eq m²

Stored
0

Emissions
-1,3

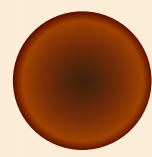
Net
-1,3

PetFelt
Nown | Arktura

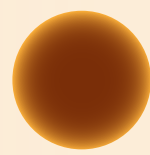
kg CO₂ p m²

.

Stored
0



Emissions
-5,2



Net
-5,2

made by
Partikal

Melamine
Silekol

kg CO₂ p m²

•

Stored
+0,1

•

Emissions
-2,3

•

Net
-2,2

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Vinyl Flooring

Halilide

kg C02 p m2

Stored

0

Emissions

-22,4

Net

-22,4

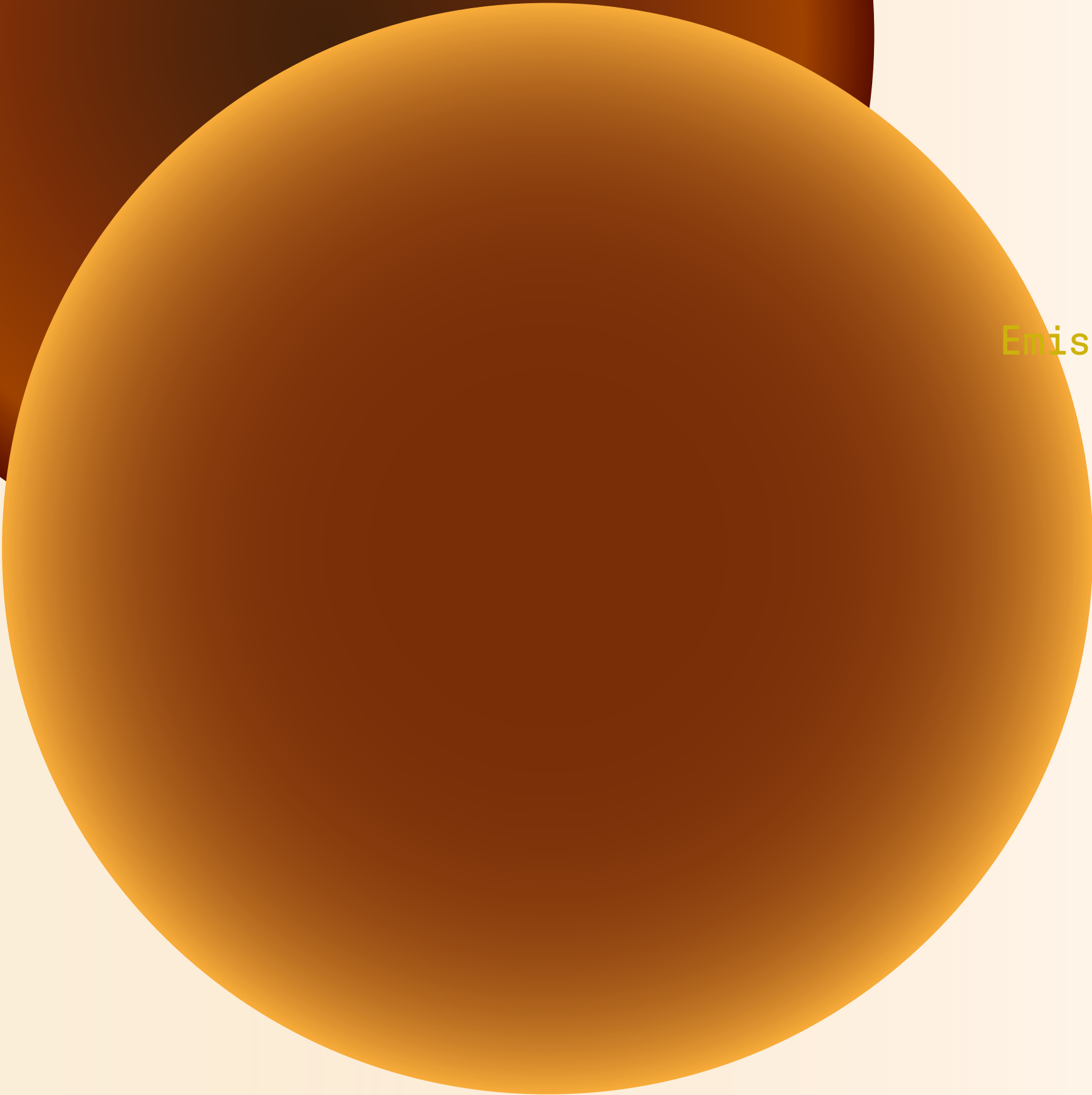
Plastic Panels

Surface Matter

kg CO2 p m2



Stored
0,4



Emissions
-65,7

Net
-65,4

made by

Partikal

Sources:

Partikal / Compostboard
<https://www.compostboard.bio/facts/>

Strawpanels:

<https://zoe-circular.com/wp-content/uploads/2024/12/B-EPD-21-0123-001-00-00-EN-VestaEco-ldf-signed.pdf>

Multiplex

https://www.pfleiderer.com/file_pim/Dokumente/environmental-product-declaration-epd-raw-particleboard-im0037217.pdf

MDF

<https://www.environdec.com/library/epd8737>

MDF+Melamine

<https://www.environdec.com/library/epd8737>
<https://www.environdec.com/library/epd23091>

Marmoleum

<https://www.forbo.com/flooring/nl-nl/producten/linoleum/marmoleum-step-into-modern-nature/marmoleum-epd/pejehf>

Linoleum

https://forbo.blob.core.windows.net/forbodocuments/647f1a6b-79f7-4b9a-a4ea-b9b25c61f310/Forbo_self-declared%20EPD_Furniture%20Linoleum_Exp.2025.12.19.pdf

Fermacell

<https://www.fermacell.nl/nl/downloads>

Clayboard

<https://www.environdec.com/library/epd12413>

Plasterboard

<https://www.environdec.com/library/epd388>

Cementwool

<https://environdec.com/library/epd31288>

PET Carpet Tile

<https://www.interface.com/content/dam/interfaceinc/interface/sustainability/ams/third-party-certifications/epd/wc-am-glasbac-epd.pdf>

Nylon Carpet Tile

<https://www.interface.com/content/dam/interfaceinc/interface/sustainability/ams/third-party-certifications/epd/wc-am-glasbac-epd.pdf>

Ceiling Panel

<https://www.rockfon.co.uk/siteassets/commerce/en-gb/tiles/documents/documentation/environmental-product-declaration-epd/environmental-product-declaration-epd---tiles---panels.pdf>

PetFelt

<https://www.environdec.com/library/epd13626>

Melamine

<https://www.environdec.com/library/epd23091>

Vinyl Flooring

<https://www.environdec.com/library/epd12509>

Plastic Panels

https://cdn.shopify.com/s/files/1/0626/9331/0654/files/4074_Tonester_Oy_2025-04-11_en.pdf?v=1744728528