



Best practice  
from the field:

*Tarkett 's view on  
chemical recycling*

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# A worldwide leader in flooring & sports surfaces

2021 figures

€2.8bn Net sales

12,000+ employees

Sales in more than  
100 countries

1.3 million m<sup>2</sup>  
of flooring sold each day



34  
Industrial sites

8  
Recycling centers

25  
R&D Centers  
& laboratories

# We serve end users where people & planet matter



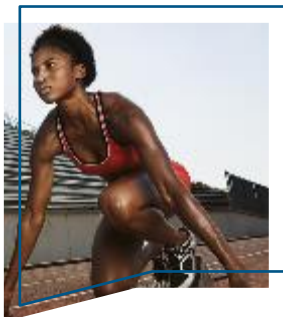
WORKPLACE



HEALTHCARE



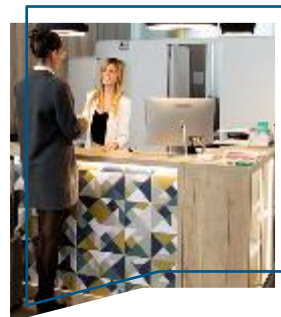
EDUCATION



SPORTS



HOME



HOSPITALITY

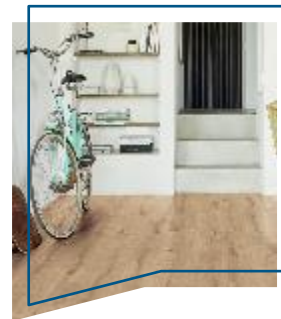
# We offer a broad and innovative product portfolio



VINYL &  
LINOLEUM



CARPET



WOOD &  
LAMINATE

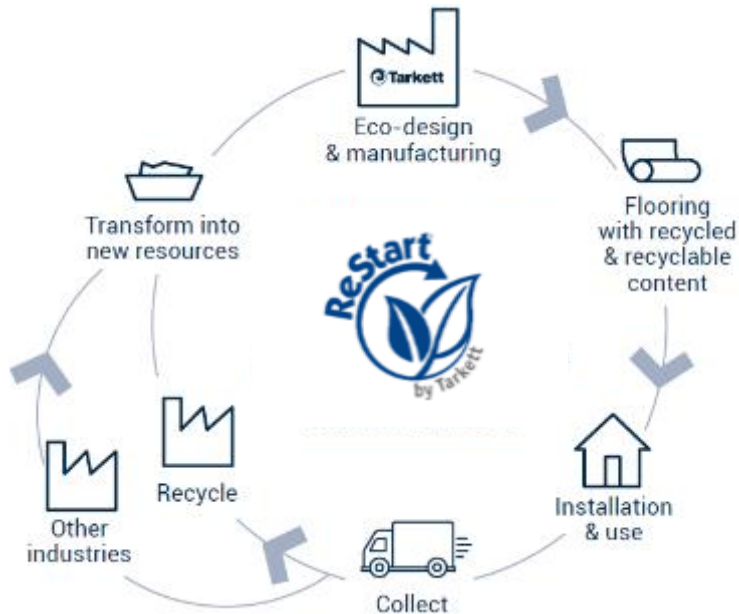


ACCESSORIES  
& RUBBER



INDOOR & OUTDOOR  
SPORTS SURFACES

# Circular design is at the core of how Tarkett operates



Applying Cradle to Cradle<sup>®</sup> principles to all product ranges...



...to enable safe chemicals flows in the circular economy

## Recycling ?

Tarkett sticks to  
the waste  
treatment  
hierarchy

- Tarkett prioritizes inhouse mechanical recycling for carpet tiles, linoleum and vinyl floors
  - Low carbon technology,
  - Safe for people and the environment, without degrading technical performance of products.
  - Relies on own ReStart collection systems and Inhouse recycling capacity
- For us chemical recycling should remain a complementary technology to mechanical recycling



# Carpet tiles

## Nylon yarn regeneration

- Tarkett has inhouse capacity for separating Nylon yarn from ECOBASE® carpet backing
  - Carpet backing is recycled inhouse in new carpet tiles.
  - separated nylon yarn from carpet tiles needs a specific process.
- Closed loop system in place with AQUAFIL for regenerating used yarn in new ECONYL® Nylon with same performance.
- AQUAFIL also recycles, ghost fishing nets and textiles with the same technology



# Vinyl floors

## Legacy is the challenge

- Tarkett only recycles own vinyl floors in its integrated recycling centres

However for the Flooring industry

- Potential legacy content is a barrier for scaling up recycling of long lasting products in the buildings stock .
- Especially separation of legacy additives will require solvent based alternative recycling





# Dealing with Legacy plasticizers in Flooring

Research is ongoing



## Circular Flooring



- Circular Flooring a European Union Horizon 2020 funded project aims to establish a circular recycling process for post-consumer PVC floor coverings and safe end-of-life treatment of legacy plasticisers.
- These separated phthalate plasticisers will be safely transformed into REACH-compliant substances using an additional chemical process.
- The project uses the Fraunhofer Creasolv® technology
- Tarkett is involved in the project through ERFMI the European resilient flooring association.

# Conclusion

- There is need and room for different types of recycling
- For environmental protection and GHG emissions reduction, following the waste treatment hierarchy is key
- Transparency in the value chains is a must
- Chemical recycling is important for hard to recycle materials and dealing with legacy materials if no mechanical solution is possible
- Regulation predictability and Standard frameworks allowing its use, is needed from policy makers.

Together, we're building new ground - one that we can all stand firmly on,  
for generations to come. **Together, we're building...**

*The way to better fl*  *rs.*  

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# Transparent circular value chains.

Product Material Health Statements are publicly available for Tarkett products on our websites

MHS discloses

- products' chemicals content down to 0,01%
- the result of EPEA risk assessment
- Reach and Green Screen Tag status.



**Material Health Statement - MHS™**  
**Ecobase® PA 6 Solution Dyed Carpet Tiles Gold**

Issued for: Tarkett  
 Issue date: 15 September 2019  
 Expiration date: 15 September 2022  
 Evaluation procedure: www.tarkett.com/development/health  
 Reference code: 20024.1  
 CECA Registry No: 075024 Tarkett Gold, 075024 Tarkett Gold, 075024 Tarkett Gold, 075024 Tarkett Gold  
 Product identification: 075024 Tarkett Gold, 075024 Tarkett Gold, 075024 Tarkett Gold, 075024 Tarkett Gold

CHEMICAL COMPONENTS	CAS#	CONTENT	EPEA RATING	COMMENTS ON EPEA RATING	CE-111	REACH
Polyamide 6	25535-10-4	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
Other polyamide	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
Other chemical	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
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	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓
	100-10-0	100%	✓	polyamide 6 is not considered as a high concern substance	✓	✓



More information about MHS : [https://epea.com/fileadmin/user\\_upload/2.0\\_Leistungen/MHS\\_Guidance\\_document\\_V2.0\\_\\_\\_EPEA\\_2019.pdf](https://epea.com/fileadmin/user_upload/2.0_Leistungen/MHS_Guidance_document_V2.0___EPEA_2019.pdf)