

# Aged Care

SOLUTION GUIDE

Designing  
environments  
for ageing well



# CONTENTS

## MAINTAINING DIGNITY AND INDEPENDENCE

ENSURING RESIDENT COMFORT	6
FACILITATING VISUAL PERCEPTION	8
ENCOURAGING MOBILITY	10

## PROMOTING HEALTH AND SUSTAINABILITY

ENSURING GOOD INDOOR AIR QUALITY	12
DESIGNING A SUSTAINABLE BUILDING	14

## DESIGNING A COST-EFFECTIVE BUILDING

CONTRIBUTING TO CAREGIVERS' QUALITY OF LIFE AT WORK	16
OPTIMIZING MAINTENANCE OPERATIONS	18

## A SOLUTION FOR EVERY SPACE

CORRIDORS	23
COMMON AREAS	25
BEDROOMS	27
EN SUITE & ASSISTED BATHROOM	29
DINING ROOM	31

TECHNICAL DATA	32
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REFERENCES	34
------------	----





# DESIGNING AN ENVIRONMENT FOR AGEING WELL

**We are living longer thanks to advances in the healthcare segment. But with ageing come declining faculties and specific challenges. Dementia may cause further complications.**

Many aged care facilities today cater to both ageing residents and people living with dementia. In practice, the specific needs of people with dementia take priority over the requirements of the other residents. The environment must nonetheless work and be supportive for all users. When designing for the elderly, there are three key areas of focus:

1. Encourage residents and staff to actively participate in daily care tasks by creating a warm social environment.
2. Adapt the physical environment to the elderly and the many changes they experience.
3. Take into account the effects of dementia, such as cognitive difficulties.

It is important to take all of these factors into consideration when designing a care home. Good, inclusive design isn't necessarily costly, and it can change the lives of care home residents. Our recommendations are the outcome of field research and interviews with doctors, academics, architects, residents themselves, their families and care staff, all of which is summarised in our White Paper\*.

The aim of this guide is not only to draw your attention to age-related difficulties and the importance of good design in enhancing quality of life among the elderly but also to guide you in your choice of material.

## DEMENTIA'S EFFECTS ON PERCEPTION AND UNDERSTANDING

Dementia refers to a range of progressive neurological disorders affecting memory, cognitive function and communication, and it comes in different forms. Alzheimer's disease is the most common, occurring in 50 to 75% of cases, but there are also other types, such as vascular dementia and dementia with Lewy bodies. In addition to problems related to ageing, sufferers have trouble perceiving three-dimensional objects and relating what they see to their physical reality, leading to misinterpretation. They feel more anxiety and stress and often develop challenging behaviours.

\* For all information, please go to: [designingfordementia.tarkett.co.uk](http://designingfordementia.tarkett.co.uk)



“Design for dementia patients has a radical impact on the understanding of interior design. [...] Factors of interior space perception, such as orientation, safety, movement, balance and acknowledgement are now to be integrated in each phase of the interior design.”


Prof. Dipl.-Ing. Rudolf Schricker,  
President BDIA

## UNDERSTANDING SENSORY AND EMOTIONAL ISSUES FOR ELDERLY PEOPLE WITH AND WITHOUT DEMENTIA

### SENSORY AND EMOTIONAL ISSUES RELATED TO GENERAL AGEING

- |   |  |
|---|--|
|  <ul style="list-style-type: none"> <li>· Reduction of contrast</li> <li>· Reduction of luminescence</li> <li>· Decrease of visual field</li> <li>· Decrease of color vision</li> <li>· Discomfort to glare</li> <li>· Disorder of circadian rhythm</li> </ul> |  <ul style="list-style-type: none"> <li>· General loss of hearing</li> <li>· Discomfort to noisy environments or certain frequencies</li> </ul> |
|  <ul style="list-style-type: none"> <li>· Loss of muscular strength</li> </ul>   |  <ul style="list-style-type: none"> <li>· Short-term memory loss</li> </ul>   |

### SENSORY AND EMOTIONAL ISSUES FOR ELDERLY PEOPLE WITH DEMENTIA (APART FROM OTHER PATHOLOGIES)

- |  |  |
|--|--|
|  <ul style="list-style-type: none"> <li>· Different colour perception</li> <li>· Hearing difficulties when there is background noise</li> <li>· Altered smell, touch and taste</li> </ul> |  <ul style="list-style-type: none"> <li>· Difficulty seeing in 3D</li> <li>· Difficulty seeing dimensions if the same colour is used</li> <li>· Misunderstanding contrasts patterns, shadows and shiny surfaces, causing anxiety</li> </ul>                 |
|  <ul style="list-style-type: none"> <li>· Communication issues</li> <li>· Difficulties with daily activities</li> <li>· Mood changes</li> <li>· Disorientation</li> </ul>                 |  <ul style="list-style-type: none"> <li>· Uncertainty about the time or date</li> <li>· Difficulty remembering recent events</li> <li>· Perceptual/recognition difficulties: people, objects, patterns</li> <li>· Reduction of learning capacity</li> </ul> |



By 2050, **10%** of the OECD countries will be over 80 years old<sup>1</sup>

By 2050, the number of people living with dementia is estimated to almost triple (reaching 150 millions)<sup>2</sup>

**70%** of people in care homes have dementia or severe memory problems<sup>3</sup>

1. OECD health statistics 2017

2. World Health Organization

3. Alzheimer's research UK



# ENSURING RESIDENT COMFORT

Moving into a retirement home is unsettling, as it often follows a downturn in health which prevents continued autonomous living. More than anything, new residents need to be reassured about their new environment. Part of that reassurance can come from stimulating their memory, which plays an important role in their self-awareness and sense of identity.

## HEARING LOSS AFFECTS

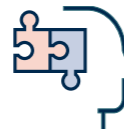


### CREATE A HOME-LIKE FEELING

Comfort is the key word to welcoming a person into their new home. Avoid the institutional feel of a hospital or hotel with their big spaces and long corridors. **There should be no sense of stigma about the need for support or treatment.**

#### OUR RECOMMENDATION

- Choose familiar designs with a **subtle pattern or texture to stimulate memories** (traditional wood, ceramic tiles, carpet effects).
- Choose rather subtle contrasts or **plain patterns** to avoid confusion.



### PROVIDE A PEACEFUL ENVIRONMENT

For people with hearing difficulties, **low ambient noise makes communication easier**, especially in areas such as dining rooms where social interaction is essential and encouraged. A quieter environment **also removes a source of anxiety** for residents living with dementia.

#### OUR RECOMMENDATION

- **Choose flexible flooring over tiling.** Tiles reflect sound and add to the general noise, whereas flexible flooring absorbs sound, keeping it at a comfortable level.
- Prefer acoustic solutions for the busiest and noisiest rooms.

\* Source: World Health Organization

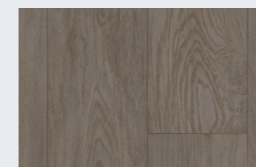


“A good floor space for older people, and particularly those with dementia, allows and encourages activities, involvement, loyalty, comfort and ultimately identity in a positive way. People with dementia need to feel that every detail is designed to generate well-being. The floor is key to the environment.”

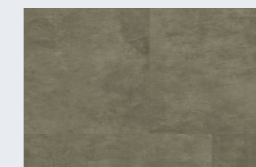
Prof. Dipl.-Ing. Rudolf Schricker,  
President BDIA



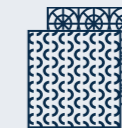
### USE PLAIN PATTERNS, MATERIAL EFFECTS WITH SUBTLE PATTERN



**Accent Excellence**  
Brushed Oak Medium  
25132026



**ID Inspiration**  
Polished Concrete  
Dark Grey  
24207077



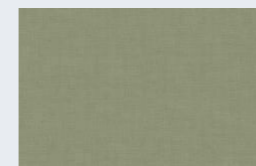
### AVOID BUSY PATTERNS, DARK COLOURS AND HIGH-CONTRAST DESIGNS



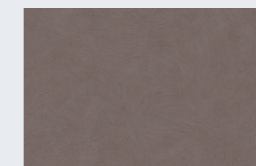
**Accent Excellence**  
Cubic Bright Orange  
25130162



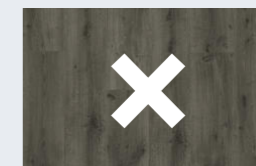
**ID Inspiration**  
Contemporary Oak Natural  
24275111



**ID Inspiration**  
Tisse Green  
24207091



**Accent Excellence**  
Esquisse  
Light Chocolate  
25128017



**ID Inspiration**  
Rustic Oak Stone  
Brown  
24210121



**Accent Excellence**  
Bubbles Cold Mix  
25130143



# FACILITATING VISUAL PERCEPTION

Our vision becomes less acute as we grow older. Our field of view narrows as our neck muscles weaken and our head drops. We lose our 3D perception and can less readily switch between close and distant objects. We see less detail and colour and suffer more from glare.

## SIGHT LOSS AFFECTS



**PROVIDE OPTIMUM CONTRAST**

As the eye's lens gradually yellows with age, our colour perception is affected. We are **less able to perceive contrast**, colours become less vivid and more monochrome (red can start to look like pink) and we have trouble distinguishing shades of blue or green. Colour contrast is therefore **key to providing visual clues for doors, handles, controls and furniture**, thereby enabling people with poor sight to **better make sense of their surroundings**.



**MAXIMISE LIGHT**

People with impaired vision need more light and **older eyes need two to three times more light than young ones to see properly**. Variations in light cause sight problems for the elderly, so uniform lighting is recommended along with the avoidance of shadow and darker areas, which can be unsettling to people with dementia.

### OUR RECOMMENDATION

- Ensure a **difference in light reflectance value (LRV) of at least a 30 points between adjacent critical surfaces** such as flooring and walls, flooring and furniture, and wall and handrail.
- **Avoid unsaturated** colours such as pastels, which are difficult to tell apart.

### OUR RECOMMENDATION

- For optimal visual comfort, **flooring should ideally have a Light Reflectance Value (LRV) between 20 and 40**.
- Use flooring with a matte finish to prevent glare and a "wet look".

\* Source: Royal National Institute of Blind People



**“Contrast is key between floors and walls, on the edges of furniture and objects.”**

*David Burgher,  
Architect and Director at Aitken Turnbull*



## INCORPORATING LIGHT REFLECTION VALUES INTO DESIGN

The light reflectance value (LRV) is the total quantity of light reflected by a surface when illuminated by a light source. The LRV scale runs from 0, which is the darkest or least reflective, to 100, which is the lightest or most reflective. Taking LRV into account can help understand how much contrast is visible, as well as how much lighting is required to create a comfortable environment.

**Suggested levels of lighting and light redistribution for specific areas**

SPACE	LIGHTING INTENSITY (LUX)	MINIMAL LRV DIFFERENCE BETWEEN FLOORS AND WALLS
-------	--------------------------	---

Corridors	300	
Activity spaces	350	
Bedrooms Reading area	350	30 POINTS
Bedrooms Ambient	250	
Bathrooms	250	

### Examples of Light Reflectance Values





# ENCOURAGING MOBILITY

In addition to maintaining motor skills, continued mobility benefits cognitive performance and enables older people to be more independent, boosting their self-esteem. Essential to their mobility, therefore, are interior spaces that are easy and safe to move in, including with a wheelchair, cane or walker. Distances should be carefully planned; pleasantly tactile handrails and resting points give residents the confidence to explore.

## FALLS AFFECT



1 in 3 people over 65 once a year\*

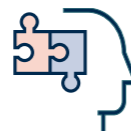


2 in 3 people over 80 once a year\*



## PROVIDING ORIENTATION AND GUIDANCE THROUGH CONTRAST

Used carefully, the right contrast between colours enhances visual perception, encouraging fluid mobility and helping residents to find their way without feeling like there are obstacles in front of them.



## HELPING TO PREVENT FALLS AND CALM THE FEAR OF FALLING

Fear of falling is a common problem for many older adults, especially those living in aged care facilities. Their fear can contribute to self-restriction of activities, isolating themselves, and additional physical decline, ultimately increasing still more their risk of falling.

### OUR RECOMMENDATION

- Ensure a **difference in LRV of at least a 30 points** between adjacent critical surfaces such as flooring and walls, flooring or wall and furniture, and wall and handrails. Contrasting borders can be used to create a path and improve guidance.
- To ease transitions from one room to another, do not exceed **an LRV difference of 10 points** between two adjacent floor surfaces or between a threshold strip and the floor surface to avoid the illusion of a step or a hole (black shape in the middle of a light corridor).

### OUR RECOMMENDATION

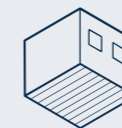
- To further encourage residents' mobility, smooth, matte and slip-resistant floors that are free from obstacles and comfortable to walk on will help reduce the risk of falls and accidents.

\* Source: World Health Organization

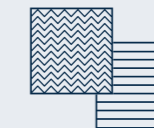


“Due to their perceptual difficulties, people with dementia tend to stop at every contrasting line or pattern they see on the floor.”

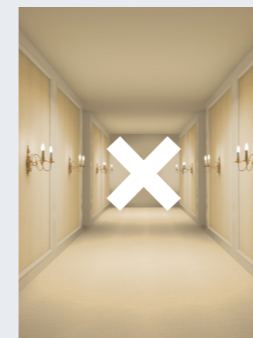
Emma Ouldred, Specialist Dementia Nurse, Health and Ageing Unit (UK) (White paper, page 23)



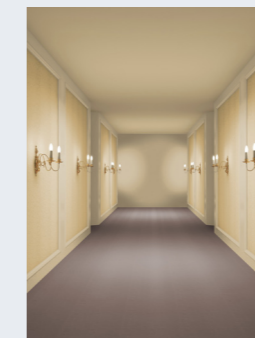
## CONTRAST BETWEEN WALLS AND FLOORS



## CONTRAST BETWEEN TWO ADJACENT FLOOR SURFACES



LRV wall: 70  
LRV floor: 65



LRV wall: 70  
LRV floor: 18



LRV hallway: 6  
LRV entrance: 30



LRV hallway: 20  
LRV bedroom: 28



# ENSURING GOOD INDOOR AIR QUALITY

Indoor air pollution can be up to five times greater than outdoor air pollution.<sup>1</sup> **The elderly are potentially more exposed to indoor air pollutants** than the rest of the population, because they spend more time inside. Keeping the elderly in good health by contributing to the prevention of chronic diseases is a major challenge for care homes.

**"A comparison between elderly and the rest of the population regarding respiratory health effects of indoor air pollution by VOCs exposure shows a higher prevalence of breathlessness in the former compared to the latter in spite of similar levels of air pollutants in their dwellings."**<sup>2</sup>



## GOOD INDOOR AIR QUALITY

VOCs (Volatile Organic Compound) are volatile substances used in materials that can be emitted to indoor air. They can have multiple origins: floor or wall coverings, paint, cleaning products, air fresheners, furniture and considerably degrade the quality of indoor air.



**100% phthalate-free**

## HEALTHY MATERIALS

Phthalates are mainly used as plasticizers (substances added to plastics to increase their flexibility, transparency, durability and longevity). Nevertheless, phthalates have been the subject of scientific debate about their potential impact on human health.

### OUR COMMITMENT

- Tarkett's products have VOC emissions **10 to 100 times lower than the levels required by European standards** (<1000 µg/m<sup>3</sup> at 28 days).
- Our surface treatments allow **low maintenance** (without any stripping and polishing needed) that avoid occupants' exposure to harmful chemicals.

### OUR COMMITMENT

- Since 2010, Tarkett has proactively developed alternatives to phthalates, investing considerably in R&D.
- Today, all Tarkett vinyl products manufactured in EMEA are close to 100% phthalate-free.

1. Hulin et al. "Respiratory health and indoor air pollutants based on quantitative exposure assessment," European Respiratory Journal, Oct 2012  
 2. Bentayeb et al. "Higher prevalence of breathlessness in elderly exposed to indoor aldehydes and VOCs in a representative sample of French dwellings" Respiratory Medecine. Vol. 107, Issue 10. Oct. 2013.



## USING GOOD MATERIALS FOR GOOD INDOOR AIR QUALITY

TARKETT RANGES	IQ/PREMIUM/MULTISAFE (HOMOGENEOUS VINYL)	PLATINIUM & EXCELLENCE 80 (HETEROGENEOUS VINYL)	ID INSPIRATION 55/70, ID INSPIRATION CLICK (LVT)	ID CLICK ULTIMATE (LVT)	SAFETRED (SAFETY)
TVOC level (including formaldehyde) after 28 days (µg/m <sup>3</sup> )	<10*	<10	<10	<100	<100
Phthalate-free**	✓	✓	✓	✓	✓
REACH compliancy (Registration, Evaluation, Authorization and restriction of Chemicals)	✓	✓	✓	✓	✓

\* iQ One ≤ 100  
 \*\* Close to 100% phthalate-free



# DESIGNING A SUSTAINABLE BUILDING

Adopting a life-cycle approach for the construction of the building is key to reducing environmental impacts while contributing to the well-being of the occupants. At Tarkett, we strive to support both our professional clients and consumers in creating healthy, beautiful and sustainable living spaces. Working with industry partners, we're bringing our best thinking and efforts toward making a positive impact on people and the planet.



## DESIGNING FOR LIFE

People spend 90% of their time indoors, working, learning and relaxing. We help you to create healthier, safer, more people-friendly indoor spaces by designing high-quality, sustainable products. In particular, by continuously improving the health and environmental credentials of our products, we strive to select materials that can be recovered, recycled and transformed into new products. Through our focus on Cradle to Cradle® design, we make our products in a way that helps to preserve natural resources and mitigate climate change.



## CLOSING THE LOOP

With our ReStart® take-back programme, we help you to manage your flooring waste effectively while contributing to safeguarding the world's natural resources and protecting the environment. We recycle your flooring off-cuts and waste from our production, transforming it into new, high-quality products. In this way, we can collectively close the loop and shift to a circular economy.



## DRIVING COLLABORATION

The world's great sustainability challenges require cooperation and partnership across industries and supply chains. We encourage our customers and all our stakeholders to join us in working toward positive change. Importantly, we communicate our sustainability progress transparently, and provide you with clear information about our products and ambitions.



## A GOOD CHOICE OF FLOORING CAN HELP REACH THE HIGHEST LEVELS OF SUSTAINABLE REQUIREMENTS

Green building labels (such as BREEAM, DGNB, HQE, LEED, WELL...) set guidelines and standards for sustainable buildings regarding indoor air quality, water and energy consumption, and waste management. Find below an example of how flooring can help you address up to 8 issues and achieve 15 credits for the BREEAM label.

ISSUE	BREEAM CREDITS	IQ/PREMIUM/MULTISAFE (HOMOGENEOUS VINYL)	EXCELLENCE 80/PLATINIUM (HETEROGENEOUS VINYL)	ID INSPIRATION 55/70 (LVT)	LINOLEUM	SAFETRED (SAFETY)
Health and Well-Being Hea02 – Indoor Air Quality	1	✓	✓	✓	✓	✓
Health and Well-Being Hea05 – Acoustic performance	MAX 4	✓	✓	✓	✓	✓
Materials Mat02 – Life-Cycle Impacts	1	✓	✓	✓	✓	✓
Materials Mat03 – Responsible Sourcing of Construction Costs	MAX 3	✓	✓	✓	✓	✓
Materials Mat05 – Designing for Durability and Resilience	1	✓	✓	✓	✓	✓
Materials Mat06 – Material Efficiency	1	✓	✓	✓	✓	✓
Waste Wst01 – Construction Waste Management	3	✓	✓	✓	✓	✓
Waste Wst06 – Functional Adaptability	1	✓	✓	✓	✓	✓

Let us know which green label certification you want to get and what you wish to achieve: our teams will be able to advise you on the best flooring solutions.



# CONTRIBUTING TO CAREGIVERS' QUALITY OF LIFE AT WORK

The work in nursing homes is demanding for staff, both mentally and physically. A better working environment contributes to reduced stress and fatigue. Our flooring solutions make rolling of wheelchairs and cleaning easier. It is also comfortable to walk on and reduces overall noise.

**Back pain is one of the most frequent complaints in the nursing profession.**



### MAKE DAILY MAINTENANCE EASY

Cleanliness is of paramount importance to creating a positive first impression on visitors and a welcoming environment. In a care home, flooring is highly exposed to spills from drinks, food and bodily fluids. Choosing solutions that protect against leaks, odours and risk of infection is crucial. **Impervious flooring that is easy to clean also ensures a high level of hygiene without taking up too much staff time.**

### OUR RECOMMENDATION

- For areas with high exposure to liquids:
- Vinyl flooring in rolls joined by hot welding rods makes **watertight installations with no leaks.**
- Surface treatments also help to **facilitate daily cleaning.**



### ENSURE SAFETY AND EASE MOBILITY

Slipping, tripping and falling are among the most common causes of major injuries at work. Some areas are especially at risk, such as where water is used or liquids are spilled. In the corridors and the common areas, the floor should offer low rolling resistance in order to allow effortless movement of wheelchairs and trolleys.

### OUR RECOMMENDATION

- Choose a flooring with slip resistance adapted to your requirements.
- Choose a floor with a low indentation value, especially in the corridors and the common areas, to ease rollability.



“Nowadays the average age of our residents is around 90 and most arrive in wheelchairs. The building must be designed to help them move around easily and make the work of staff easier.”

Fanny Roinsard,  
Care-Home Director



### CHOOSE FLOORING ADAPTED TO THE ROOM REQUIREMENTS

	STANDARDS	STANDARD REQUIREMENT
<b>Barefoot areas</b> Shower rooms, Lockers	DIN 51097	Class A (occasional water protection): angle >12° Class B (shower room – changing room): angle >18° Class C (constantly under water): angle >24°
	EN13845 ANNEX C	Esb: angle >15°
	DIN 51130	R10: Occasional water spillages R11: Water and viscous spillages
<b>Wearfoot areas</b> Kitchens, Lavatories, Workshop	BS7976 Part 2 = TRRL Pendulum 4S (wet)	>36°
	Surface roughness rz	>20 µm
	EN13845 Annex C	Esf: angle >20°



# OPTIMIZING MAINTENANCE OPERATIONS

Because flooring withstands high traffic, spills, shocks and bumps, you can opt for robust flooring that lasts longer, spacing out renovations, or you may want to renew flooring more frequently. It is therefore important to choose the best flooring option according to your needs in order to reduce operating costs.



Less than **10%** of the total cost is represented by purchase and installation.



**90%** of the total cost is related to cleaning and maintenance.



## ANALYSE LIFE-CYCLE COST

Maintenance plays a major role in the cost of ownership for flooring. Life-Cycle Cost analysis show that purchase and installation represent less than 10% of the total costs. More than 90% is related to the cleaning and maintenance. Lifespan, maintenance requirements and costs should be a key part of your flooring decision.



## HELP FREQUENT REVAMPING WITH FAST RENOVATION SOLUTIONS

You may need to replace some flooring frequently, in residents' rooms for example. In this case, loose lay solutions are the most suitable option to minimise downtime.

### OUR RECOMMENDATION

- Tarkett's highly resistant surface treatments facilitate and shorten cleaning operations and lower consumption of chemicals, water and electricity, generating significant savings and limiting environmental impact at the same time. This allows you to reduce cleaning costs by up to 30%\* compared to floorings requiring wax and polish.
- Thanks to our LCC software, we can provide you with an estimation of the total cost for cleaning and maintenance of our different products.

### OUR RECOMMENDATION

- Our Acczent Unik compact loose lay rolls offer good compromise between hygiene and ease of renovation, especially in areas with high exposure to spillages. In a room of 20 square metres, installation is 40% faster than glue-down flooring.

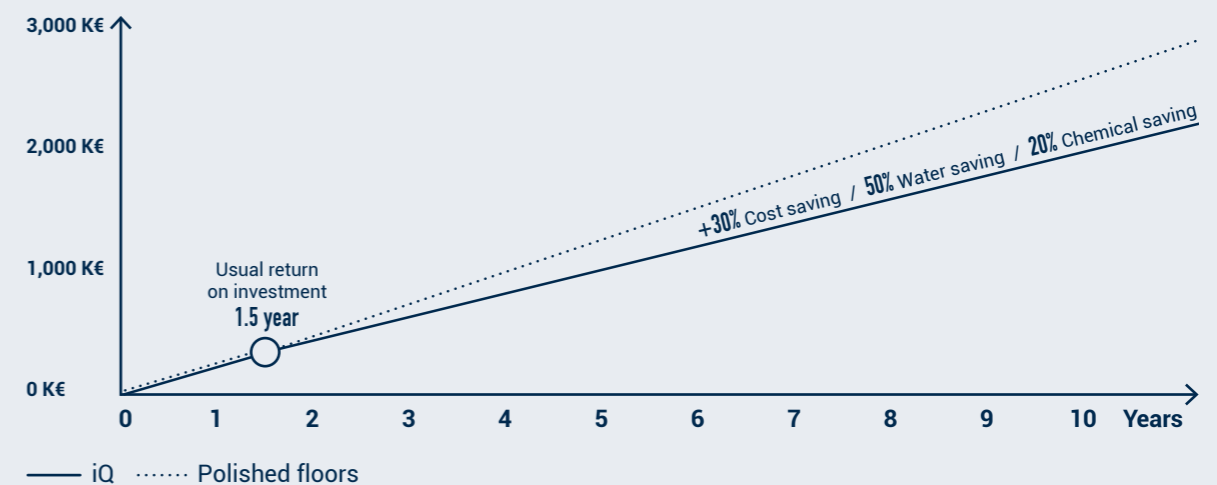
\* Refer to Tarkett Life-Cycle Cost (LCC) software



## HOW TO ESTIMATE YOUR SAVINGS WITH OUR LCC SOFTWARE

1. Contact your local Tarkett team.
2. Tell us more about your cleaning protocols (cleaning equipment, daily cleaning...).
3. Choose one or several floorings for comparison.

### Example of cost savings with iQ floor







## A SOLUTION FOR EVERY SPACE

We have now seen that good, inclusive care home design takes into account the distinct challenges faced by the elderly in terms of perception, mobility and cognitive awareness – with or without dementia – and also allows staff to provide efficient care without strain.

We now look at specific spaces within a care home, and based on our experience working with a number of experts, we suggest solutions adapted to each. Architects, care home directors and staff alike can find practical ideas to provide comfort, personalisation, durability and safety while creating a welcoming, safe and social environment for both residents and staff.

## CONTENTS

.....	
<b>CORRIDORS</b>	23
.....	
<b>COMMON AREAS</b>	25
.....	
<b>BEDROOMS</b>	27
.....	
<b>EN SUITE &amp; ASSISTED BATHROOM</b>	29
.....	
<b>DINING ROOM</b>	31



“It is very important to use colour contrasts and to make a clear distinction between the floor and the walls, without using colours or patterns that are too alike. Choose furniture in colours that stand out clearly from the walls and flooring.”

Prof Suzanne Cahill, Research Director, Trinity College, Dublin, Ireland

**IQ GRANIT**  
GREY BEIGE  
3040419

**PROTECTWALL 1.5**  
UNI BRIGHT RED  
26500045

# CORRIDORS

Helping residents to be active means encouraging them to stay as mobile as possible. It is therefore important to bring confidence to the residents so that they can move easily from place to place. Light, designs and colour contrast are key to enhancing visual perception, way finding and orientation.

			
Heavy traffic resistance	Low rolling resistance	Wall protection	Visual comfort

## TARKETT'S RECOMMENDED SOLUTION

### FLOORS

> YOUR NEED:  
LONG-LASTING SOLUTION

#### iQ

*Homogeneous vinyl*

- Large choice of subtle patterns
- High wheelchair rollability thanks to a 0,02 mm indentation
- High traffic resistance
- High durability with surface property restoration
- Cost-effective maintenance

> YOUR NEED:  
BEST DESIGN/PERFORMANCE RATIO

#### Accent Excellence 80

*Compact heterogeneous vinyl*

- Designed for high visual comfort:
  - Large choice of warm & natural colors with 50% of the colors with LRV between 20 and 40
  - 100% matte finish to avoid glare
  - Right contrast combination possibilities with ProtectWall 1.5
- High wheelchair rollability thanks to a 0,02 mm indentation
- Easy maintenance thanks to TopClean XP PUR surface treatment

**Other suitable ranges:** Platinum, Premium, Linoleum Veneto Xf2

### WALL PROTECTION

#### ProtectWall 1.5

- Robust resistance to shocks and impacts
- Decorative design
- Numerous possibilities of harmonious combinations with our flooring ranges
- Easy to clean

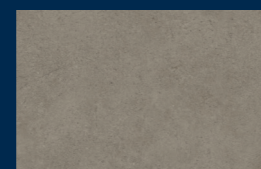
## FOCUS: THINK ABOUT COLOUR CONTRASTS TO ENCOURAGE MOBILITY

Contrast, colour and patterns can all be used to aid failing eyesight in finding its way.

- Choose colours with an LRV difference of 30 points between floors and walls
- Avoid black colours and patterns that may disturb residents
- Avoid strong contrast on the floor to allow fluid movement
- Use a matte finish to avoid glare
- Do not exceed a 10-point LRV differential between 2 colours to allow continuous movement

### Right Floor & Wall association

#### Floors



**Accent Excellence 80**  
Concrete Warm Grey  
25128504 – LRV 19



**iQ Optima Mono Soft**  
Warm Grey  
3077206 – LRV 38

#### Walls



**ProtectWall 1.5**  
Tisse Light Aqua  
26500029 – LRV 52



**ProtectWall 1.5**  
Uni Intense Plum  
26500051 – LRV 7



“We organise activities with children. We cook with our residents. For the elderly, it’s very important to be part of something. If they can’t participate, they can still feel involved by watching and discussing.”

Maria Aigner,  
Care Home Assistant Director,  
Parkwohnstift Arnstorf (Germany)

ID INSPIRATION  
TISSÉ BEIGE  
24257082

## FOCUS: PROVIDING A HOME-LIKE FEELING

Using familiar patterns such as wood, ceramic and carpet contribute to creating a warm and welcoming atmosphere for everyone, residents, staff and visitors alike. The more comfortable people feel, the greater their overall well-being is.



**ID Inspiration**  
Polished Concrete  
Dark Grey  
24207077



**Accent Excellence**  
Brushed Oak  
Medium  
25132026



**Accent Excellence 80**  
Carpet Intense  
Jean  
25128107

## COMMON AREAS: RECEPTION, LOUNGE, ACTIVITY ROOMS

Entrances and activity rooms must provide families and visitors with a positive first impression that will contribute to the care home’s image. A homey and non-institutional environment will reassure families that their elderly relatives will be welcomed into an intimate and comfortable place.



Visual comfort



Easy cleaning



Low rolling resistance

### TARKETT’S RECOMMENDED SOLUTION

#### FLOORS

> YOUR NEED:  
CREATING YOUR OWN IDENTITY

**iD Inspiration 70**  
Luxury Vinyl Tile

- Endless combinations of format (planks and tiles), design and beveling
- Large choice of material effects (wood, carpet, stone)
- High traffic resistance
- Easy maintenance

> YOUR NEED:  
STYLISH & FAST RENOVATION

**iD Click Ultimate**  
Luxury Vinyl Tile

- High traffic resistance
- Minimize downtime & use immediately
- Wood & stone designs
- High acoustic performance: 19 dB

**Other suitable ranges:** iD Click, Accent Excellence, Accent Unik

### FULLY CUSTOMIZABLE COLLECTION

iD Inspiration offers endless combinations through your choice of format, design, surface structure and beveling. Every aspect of the product is customizable with all decors.





ACCZENT EXCELLENCE 80  
BRUSHED OAK MEDIUM  
25132026

PROTECTWALL 1.5  
UNI GREEN CELADON  
26500038

**FOCUS: LIMIT SOURCES OF POLLUTANTS TO CREATE A HEALTHY AND SUSTAINABLE LIVING SPACE**

At Tarkett, we strive to support both our professional clients and consumers in creating healthy, beautiful and sustainable living spaces by making responsible choices for our products.

**100%  
phthalate-free**

Phthalates have been the subject of scientific debate about their potential impact on our health, and we have been proactive in seeking alternatives to them. Since 2010, we have developed a phthalate-free plasticizer technology for our vinyl floors, which is approved for food containers and toys intended to be placed in the mouth by children.



The levels of total VOCs in our vinyl flooring are 10 to 100 times lower than the required EU standard EN ISO 16000.

# BEDROOMS

Residents spend a lot of time in their bedroom. They need to feel good in their private space. Visual comfort and personalisation are certainly essential when designing this space, but there are other criteria to consider. Indoor air quality is especially important, as older people are more likely to be affected by air pollution. Limiting sources of pollution, such as volatile organic compounds (VOCs), and optimising ventilation contribute to ensuring good indoor air quality.

Visual comfort	Easy cleaning	Indoor air quality

## TARKETT'S RECOMMENDED SOLUTION

### FLOORS

> YOUR NEED:  
COMBINING HYGIENE & HOMEY DESIGN

**Acczent Excellence 80**  
*Heterogeneous Compact Vinyl*

- Large choice of wood designs & warm colors for a home-like feeling
- 100% matte finish to avoid glare
- Easy maintenance thanks to TopClean XP PUR surface treatment
- Contributes to good indoor air quality (TVOC < 10 µg/m³)
- 100% Phthalate free

> YOUR NEED:  
FAST RENOVATION SOLUTION

**Acczent Unik**  
*Loose-Lay Heterogeneous*

- Reduces operating losses caused by renovation:
  - Installation 40% faster than glue-down solution
  - Easily removable & replaceable at the end of life
- 15 colors available
- 100% matte finish to avoid glare
- Minimal maintenance thanks to TopClean XP PUR surface treatment
- Contributes to good indoor air quality (TVOC < 10 µg/m³)
- 100% Phthalate free

**Other suitable ranges:** Safetred, Tapiflex Essential 50







**GRANIT MULTISAFE** **AQUARELLE WALL HFS**  
**GREY BEIGE** **STONE DARK WARM GREY**  
 3476745 3942042

# EN SUITE & ASSISTED BATHROOM


A personal shower room that protects against slips and falls and is comfortable to use contributes to maintaining a care home resident's dignity and independence. Our complete wetroom solution, including walls, floors and accessories, provides easy access, safety and comfort, reassuring elderly people with reduced mobility that they can wash safely and without difficulty.



**Slip resistance**



**Visual comfort**



**Easy cleaning**

## TARKETT'S RECOMMENDED SOLUTION

### FLOORS

- |  |   |
|--|---|
| <p>&gt; YOUR NEED: THE SAFEST SOLUTION</p> <p><b>Granit Multisafe</b><br/>Homogeneous vinyl</p> <ul style="list-style-type: none"> <li>· Studded surface for highest barefoot slip resistance: Class C</li> <li>· Highly flexible to ease installation and coving</li> <li>· Full watertight system with limited number of joints</li> <li>· Contributes to good indoor air quality (TVOC &lt; 10 µg/m³)</li> <li>· 100% Phthalate free</li> </ul> | <p>&gt; YOUR NEED: HOMEY DESIGNS</p> <p><b>Multisafe Aqua</b><br/>Heterogeneous vinyl</p> <ul style="list-style-type: none"> <li>· Choice of warm designs for a stylish shower</li> <li>· Easy-to-clean embossing with TopClean Xp PUR reinforcement</li> <li>· Full watertight system with limited number of joints</li> <li>· Contributes to good indoor air quality (TVOC &lt; 10 µg/m³)</li> <li>· 100% Phthalate free</li> </ul> |
|--|---|

**Other suitable ranges:** Multisafe Aqua, Optima Multisafe, Primo Safe.T

### WALLS

- Aquarelle Wall HFS**  
Heterogeneous vinyl
- Numerous possibilities for harmonious combinations with our flooring ranges
  - Hygienic installation with a limited number of joints
  - Easy to clean

### ACCESSORIES

- Drains
- Cove formers
- Junction profile

## FOCUS: PREVENTING FALLS AND THE FEAR OF FALLING

### Colour contrasts

- Do not exceed a 10-point LRV differential for the floorings between the bedroom and the bathroom to allow continuous movement.
- Choose colours with an LRV difference of 30 points between floors and walls and between walls and sanitary equipment.

### Slip resistance

Our wetroom flooring solutions provide confident grip for bare feet and reduce the risk of slipping, even when covered in soap and water.

BAREFOOT SLIP RESISTANCE (DIN 51097)		
CLASS A (OCCASIONAL WATER PROTECTION), ANGLE > 12°	CLASS B (SHOWER ROOM, CHANGING ROOM), ANGLE > 18°	CLASS C (CONSTANTLY UNDER WATER), ANGLE > 24°
Granit Multisafe		X
Granit Safe.T	X	
Optima Multisafe	X	
Primo Safe.T	X	
Multisafe Aqua	X (water rings)	X (stone & fibre wood designs)





ACCZENT PLATINIUM 100  
UNI DARK BEIGE  
25177918

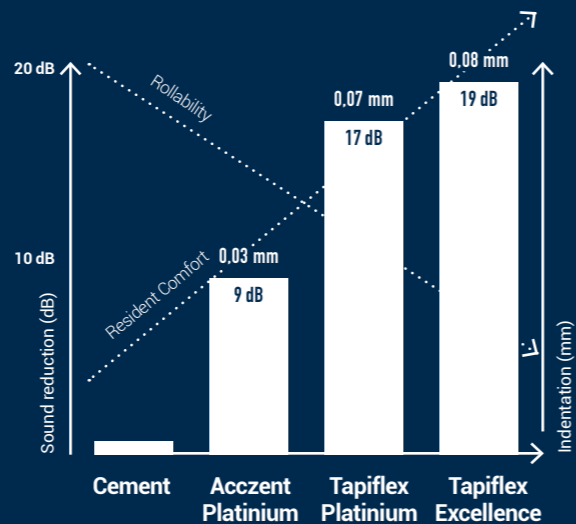
# DINING ROOM

Meal times and the eating experience are key factors in the well-being and quality of life that residents experience. Beyond nutrition and hydration, meals are an opportunity for residents to form and sustain social relationships with fellow residents and their visitors. However, a noisy dining room can be really uncomfortable for people with impaired hearing and even disturbing for residents suffering from dementia. The noise can create anxiety and be an obstacle to interacting with table companions. It is therefore important to use sound-absorbent materials to dampen sound levels.

Heavy traffic resistance	Acoustic comfort	Visual comfort	Easy cleaning	Low rolling resistance

## FOCUS: FIND THE RIGHT BALANCE BETWEEN ROLLABILITY & ACOUSTIC PERFORMANCE FOR THE COMFORT OF RESIDENTS & CAREGIVERS

Acoustic floors can impact rolling resistance, making it difficult for caregivers to push wheelchairs, whereas lower indentation provides better rollability but not as much sound absorption. It is therefore necessary to find the right balance between indentation, impact-sound reduction and comfort for residents and caregivers.



## TARKETT'S RECOMMENDED SOLUTION

### FLOORS

> YOUR NEED:  
COMBINING COMFORT & HYGIENE

#### Tapiflex Excellence 80

*Heterogeneous Acoustic*

- Large choice of warm & natural colors with 50% of the colors with LRV between 20 and 40
- 100% matte finish to avoid glare
- High acoustic performance ( $\Delta L_w$ : 19 dB)
- Low rolling resistance
- Minimal maintenance thanks to TopClean XP PUR surface treatment

> YOUR NEED:  
GOOD BALANCE BETWEEN ROLLABILITY & ACOUSTIC COMFORT

#### Acczent Platinum 100

*Heterogeneous Compact*

- Choice of low-contrast patterns with a matte finish to prevent glare
- Good acoustic performance: 9 dB.
- High wheelchair rollability thanks to a 0.03 mm indentation rating
- High traffic resistance
- Easy maintenance thanks to TopClean XP PUR surface treatment

**Other suitable ranges:** iQ Granit Acoustic, iQ Optima Acoustic, Linoleum Silencio Xf2



	Homogeneous compact		Heterogeneous Compact			Heterogeneous acoustic			Linoleum	Luxury Vinyl Tiles			Homogeneous	Heterogeneous	Homogeneous	Heterogeneous		Heterogeneous		
	IQ RANGES	PREMIUM RANGES	ACCZENT RANGES		LOOSE LAY	TAPIFLEX			XF2 2.5	GLUE DOWN LVT	CLICK LVT		SAFETY SOLUTIONS		WETROOM CONCEPT		WALL PROTECTION			
	iQ Granit / Optima / Natural / Megalite / Eminent /	Primo Premium / Eclipse Premium	Acczent Excellence 80	Acczent Platinum 100	Acczent Unik	Tapiflex Essential 50	Tapiflex Excellence 80	Tapiflex Platinum 100	Veneto / Style Emme / Style Elle	iD Inspiration 70	iD Inspiration Click	iD Click Ultimate	Granit Safe.T	Primo Safe.T	Safetred Design / Ion / Universal / Spectrum	Granit Multisafe	Multisafe Aqua	Aquarelle Wall HFS	ProtectWALL 1.5	
	CORRIDORS	CORRIDORS, STORAGE AREAS	BEDROOMS	CORRIDORS, DINING ROOM	BEDROOMS	BEDROOMS	DINING ROOM	DINING ROOM	CORRIDORS	COMMON AREAS	COMMON AREAS	COMMON AREAS	ALL USES	ALL USES	ALL USES	WETROOMS	WETROOMS	WETROOMS	CORRIDORS	
<b>Durability and resistance</b>	Commercial class EN ISO 10874	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	33	-	-	
	Total thickness EN ISO 24346	2 mm	2 mm	2 mm	2.45 mm	2.10 mm	3.3 mm	3.25 mm	3.10 mm	2.5 mm	2.5 mm	4.5 mm	6.5 mm	2.00 mm	2.00 mm	2.00 mm	2.00 mm	2.00 mm	0.92 mm	1.50 mm
	Wear layer thickness EN ISO 24340 (EN 429)	2 mm	2 mm	0.80 mm	1.02 mm	0.80 mm	0.50 mm	0.80 mm	1.02 mm	-	0.70 mm	0.55 mm	0.70 mm	2.00 mm	2.00 mm	-	2.00 mm	0.55 mm	0.12 mm	0.35 mm
	Average indentation EN ISO 24343-1	0.02 mm	0.03 mm	0.03 mm	0.04 mm	0.03 mm	0.13 mm	0.10 mm	0.09 mm	0.08 mm	0.05 mm	0.09 mm	0.05 mm	0.02 mm	0.03 mm	< 0.10 mm	≤ 0.10 mm	≤ 0.10 mm	-	-
	Resistance to impacts EN 259-2 (walls)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No visible bursts or cracks
	Scratch resistance (walls)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Sclerometre test: Excellent No visible scratch to naked eye
Thermal resistance / underfloor heating EN ISO 10456	Approx. 0.01 m² K/W Suitable – Max 27°C	Approx. 0.01 m² K/W Suitable – Max 27°C	0.02 m² K/W Suitable	0.02 m² K/W Suitable	0.02 m² K/W Suitable	0.04 m² K/W Suitable	0.04 m² K/W Suitable	0.02 m² K/W Suitable	0.015 m² K/W Suitable	0.02 m² K/W Suitable	0.04 m² K/W Suitable	0.05 m² K/W Suitable	0.01 m² K/W Suitable – Max 27°C	0.01 m² K/W Suitable – Max 27°C	0.01 m² K/W Suitable – Max 27°C	Approx. 0.01 m² K/W Suitable – Max 27°C	0.01 m² K/W Suitable – Max 27°C	-	0.02 m² K/W	
<b>Easy cleaning</b>	Surface Treatment	iQ™	PUR Reinforced	TopClean XP™	TopClean XP™	TopClean XP™	TopClean™	TopClean XP™	TopClean XP™	Xf2	TopClean XP™	TopClean XP™	PUR Ultimate	Safety Clean™	Safety Clean™	Safety Clean™	-	TopClean XP™	-	TopClean XPTM
	Surface Treatment performance	***	**	***	***	***	**	***	***	***	***	***	***	**	**	**	-	***	-	***
<b>Acoustic comfort</b>	Impact sound reduction EN ISO 717 / 2	-	-	3 dB	9 dB	4 dB	20 dB	19 dB	17 dB	6 dB	2 dB	3 dB	19 dB	-	-	6 dB (Spectrum) 4 dB (Ion, Design, Universal)	-	-	-	-
	Acoustic Improvement NF S31-074	-	-	Class C	Class C	Class C	Class A	Class A	Class A	Class C	Class C	Class C	Class C	-	-	Class C	-	-	-	-
<b>Slip resistance</b>	DIN51130	R9	R9	R9/R10 (Wood)	R9	R9/R10 (Wood)	R9	R9/R10 (Wood)	R9	R9	R9/R10 (depending on embossing)	R9/R10 (depending on embossing)	R9	R10	R10	R10	R10	-	-	
	DIN51097	-	-	-	-	-	-	-	-	-	-	-	-	Class B	Class B	-	Class C	Class A: Water rings Class C: Stone, Fibre wood	-	-
	EN 13845 Annexe C	-	-	-	-	-	-	-	-	-	-	-	-	Esf / Esb	Esf	Esf / Esb	Esf / Esb	-	-	
<b>Indoor Air Quality &amp; Environment</b>	Total VOC emissions ISO 16000-9	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³	< 100 µg / m³	< 10 µg / m³	< 10 µg / m³	< 100 µg / m³	< 10 µg / m³	< 10 µg / m³	< 100 µg / m³	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³
	Phthalate-free technology	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
	% Recyclable	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	% Recycled content	26%	26%	33%	29%	28%	22%	21%	21%	-	32%	-	-	-	25.5%	-	-	-	-	11%
<b>Reaction to fire</b>	EN 13501-1	Class Bfl s1	Class Bfl s2	Bfl-s1 glued over any A2fl or A1fl substrate (concrete) Cfl-s1 glued over any wood derivative substrate	Bfl-s1 glued over any A2fl or A1fl substrate (concrete) Cfl-s1 glued over any wood derivative substrate	Bfl-s1 glued over any A2fl or A1fl substrate (concrete) Cfl-s1 glued over any wood derivative substrate	Bfl-s1 glued over any A2fl or A1fl substrate (concrete) Cfl-s1 glued over any wood derivative substrate	Bfl-s1 glued over any A2fl or A1fl substrate (concrete) Cfl-s1 glued over any wood derivative substrate	Bfl-s1 glued over any A2fl or A1fl substrate (concrete) Cfl-s1 glued over any wood derivative substrate	Cfl s1	Bfl-s1 glued on wood panel and concrete	Bfl-s1	Bfl-s2	Class Bfl s1	Class Bfl s1	Bfl s1 on cement	Class Bfl s1	Bfl s1 glued over any A2fl or A1fl substrate (on cement) Cfl s1 glued over any wood derivative substrate	B-s2, d0 on gypsum plasterboard and on A1 or A2 substrate	B-s2, d0 glued on any non-metal A1 or A2-s1,d0 class substrate
	EN ISO 9239-1	≥ 8 kW/ m²	≥ 8 kW/m131	-	-	-	-	-	-	-	-	-	-	≥ 8 kW/ m²	≥ 8 kW/ m²	-	≥ 8 kW/ m²	-	-	-
	EN ISO 11925-2	Pass	Pass	-	-	-	-	-	-	-	-	-	-	Pass	Pass	-	Pass	-	-	-



# REFERENCES



Nursing home Maison du Parc,  
Saint-Ouen-l'Aumône – France  
Architect: Catherine Girardon



Nursing home Soleil d'Automne,  
Saint-Laurent-Blangy – France  
Architect: Grégoire Noyer



Alzheimer special care unit  
Mattaincourt – France  
Agence Bouthier



Retirement home De Waterdam,  
Roeselare – Belgium  
Architect: Eeckhout



Nursing home Soleil d'Automne,  
Saint-Laurent-Blangy – France  
Architect: Grégoire Noyer



Retirement home  
Sint-Jan Berchmans,  
Hamont-Achel – Belgium



Nursing home Soleil d'Automne,  
Saint-Laurent-Blangy – France  
Architect: Grégoire Noyer



Nursing home St. Radegund,  
Athies – France  
Agence Faucet



Alzheimer special care unit  
Mattaincourt – France  
Agence Bouthier



Retirement home De Waterdam,  
Roeselare – Belgium  
Architect: Eeckhout



Nursing home Maison du Parc,  
Saint-Ouen-l'Aumône – France  
Architect: Catherine Girardon

TARKETT, A TRULY  
GLOBAL COMPANY



€ 2.7 billion  
net sales



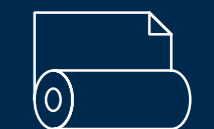
21 acquisitions  
in the last 10 years



34 manufacturing sites



100 countries  
covered



1.3 million m<sup>2</sup>  
flooring sold every day



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