

Aged Care

SOLUTION GUIDE - ASIA

**Designing
environments
for ageing well**



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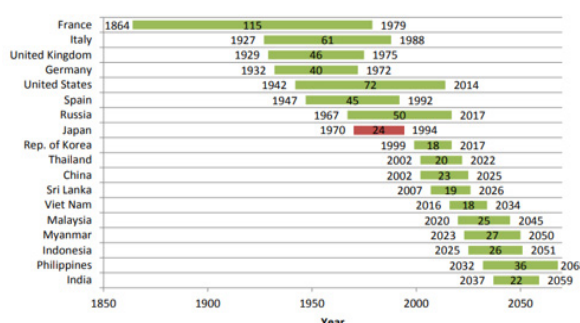
THE AGED CARE MARKET IN ASIAN COUNTRIES

The elderly Asian population, aged 60 years and above, is projected to increase from 576 million in 2017 to 1.3 billion in 2050¹. It is currently the world's third-largest nursing care market. Since population ageing proceeds simultaneously with economic development, life expectancy continues to rise, family values changes and population migration increase. As a consequence, aged parents are more and more left behind and alone, making the traditional family care more difficult. Hence, the demand for social care offered by the community and the government is increasing in all Asian countries.

ASIA IS AGEING FAST

The need to sustain active ageing is urgent, as the speed of ageing in Asia is much quicker than in Europe and Northern America (see figure 1). Japan used to be the outlier in the speed of ageing, which took only 24 years for the proportion of older persons to increase from 7% to 14%. But now the speed of ageing in emerging countries is even quicker: 18 years in Korea and Vietnam; 20 years in Thailand³.

Figure 1²: Number of Years for the Proportion of Older Persons to Increase from 7% to 14%



LIVING ARRANGEMENT OF THE ELDERLY IS CHANGING

In Asia, elderly care is often considered to be the role of the family and public care system is not yet fully developed compared to western countries. When people get older, they need care and will live again with family members (most probably with children) or move to a facility. In Japan, a family-first policy defining the role of children to take care of their parents have been implemented.

But during the last decade, family structure and attitudes toward care for older people have changed. Due to increased population migration and changes in the family values, the proportion of older people living alone is increasing.

¹: https://mipaa.unescapsdd.org/files/documents/E_ESCAP_MIPAA_IGM.2_1%20%28English%29.PDF

² : UN (2017a), compiled by Authors.

³ : https://www.eria.org/uploads/media/RPR_FY2018_08.pdf

IMPLEMENTATION OF GOVERNMENTAL ACTIONS TO SUPPORT THE AGEING POPULATION

Less than half of Asian elderly population receive a pension and must work to make ends meet, especially when family members cannot transfer them money ⁴. Asian governments are implementing some new measures:

- Thailand embarked ambitious universal health coverage that rely primarily on public sector delivery.
- In 2008, the Korean government introduced the long-Term Care Insurance (LTCI) to provide home-based and institutional care services for individuals aged +65 years. Since its implantation, the demands for LTCI have increased and the government plan to create more aged care infrastructure such as retirement villages.
- Similar to that program, the Indian government plans to implement a "strict and transparent mechanism and licensing system" for home health service businesses, a sector that has seen strong demand in India.
- Singapore is seen as one of the best-equipped country to face the «silver tsunami». Outlining the country's strategy, Amy Khor, Senior Minister of State for Health, said : «By 2030, one in four Singaporeans will be 65 years old or older, with the number of resident seniors expected to have doubled to more than 900,000. In light of this, we are only too aware that we will face growing demand for healthcare, a problem that will be compounded by a lack of family support and an overall reduction in the size of the workforce, with an increased fiscal and care burden falling on an ever-smaller number of young people.

"Our approach has been to increase accessibility to healthcare by adding capacity in a sustainable manner and enhancing the quality and affordability of care. To that end, we have added 1,700 acute hospital beds, 1,200 community hospital beds, 5,300 nursing home beds and expanded our healthcare workforce by 36%. In order to cater to the needs of the stay-at-home elderly, we have the facilities to support an additional 4,200 patients in their own residences, as well as the capacity to look after a further 2,900 people via our day-care centers. At the same time, we are also looking to build dedicated communities of care."

Amy Khor, Senior Minister of State for Health, Singapore



4 : International Labour Organization, World Social Protection Report 2014/15 Building Economic Recovery, Inclusive Development and Social Justice (Geneva, 2014). Available from www.ilo.org/wcmsp5/groups/public/---dgreports/---dcomm/documents/publication/wcms_245201.pdf.

5: <https://hkmb.hktdc.com/en/1X0AESZP/market-spotlight/Asia-Looks-to-Japan-and-Europe-for-Elderly-Care-Models>

DESIGNING AN ENVIRONMENT FOR AGEING WELL



By 2050, 25% of the Asia-Pacific region will be over 60 years old¹

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

70% of people in care homes have dementia or severe memory problems³

Today an estimated 44 million people are living with dementia, the second-largest cause of disability in those over 70.

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: www.tarkett-asia.com



“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



- Reduction of contrast
- Reduction of luminescence
- Decrease of visual field
- Decrease of color vision
- Discomfort to glare
- Disorder of circadian rhythm



- General loss of hearing
- Discomfort to noisy environments or certain frequencies



- Loss of muscular strength

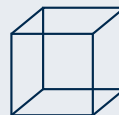


- Short-term memory loss

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



- Different colour perception
- Hearing difficulties when there is background noise
- Altered smell, touch and taste



- Difficulty seeing in 3D
- Difficulty seeing dimensions if the same colour is used
- Misunderstanding contrasts patterns, shadows and shiny surfaces, causing anxiety



- Communication issues
- Difficulties with daily activities
- Mood changes
- Disorientation



- Uncertainty about the time or date
- Difficulty remembering recent events
- Perceptual/recognition difficulties: people, objects, patterns
- Reduction of learning capacity

ALZHEIMER'S AND DEMENTIA

A WORLDWIDE CONCERN

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In 2019 Alzheimer's Disease International (ADI), estimates that there are over 50 million people living with Alzheimer's or related dementia globally, a figure set to increase to 152 million by 2050 ¹. This is the top cause of disabilities in later life. In Asia Pacific region, the number of people living with dementia will triple between 2014 and 2050 ². Developing appropriate interior design to compliment suitable medical treatment in these facilities is a major challenge.

CREATING A SUITABLE ENVIRONMENT FOR ALZHEIMER'S PATIENTS

1. THE ROLE OF COLOUR

Colour appears to perform an important function in how Alzheimer's patients perceive their environment: strong and saturated/primary colours may cause behavioural problems while pastel and soft tones encourage a sense of wellbeing and help to create a setting that patients find reassuring.

2. THE ROLE OF PATTERN

Patterns on walls and floors are important in helping to create a comfortable and familiar environment in an Alzheimer's unit. However, while some patterns may create wellbeing as a reminder of daily life, others can cause confusion.

3. THE ROLE OF LIGHT

The major light management issues are luminosity and maintaining circadian rhythms. Light can also improve Patient quality of life & comfort by making the hospital environment seem more familiar.

Very white or very dark flooring should be avoided because the reflected light can disturb or dazzle patients.

“It's very important to use warm colours for the resident environment in areas such as living, sitting or dining rooms, with cooler or contrasting colours used for the bathroom.”

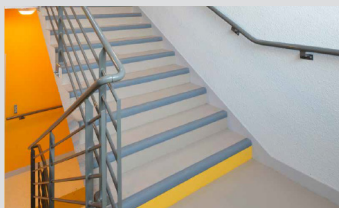
Prof. Suzanne Cahill, Research Director, Trinity College, Dublin, Ireland



¹: <https://www.alz.co.uk/research/WorldAlzheimerReport2019.pdf>

²: <https://www.alz.co.uk/adi/pdf/Dementia-Asia-Pacific-2014.pdf>

HOW FLOORING HELPS

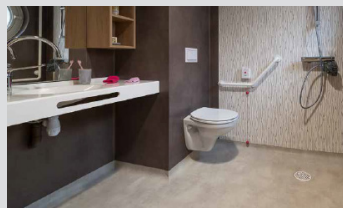


SECURE DANGER ZONES

Reduced lighting levels or darkness to discourage residents from entering unauthorized or dangerous areas.

FACILITATES WALKING

Use contrasts to clearly identify each zone



MAKE BATHROOMS SAFE

Bright lighting facilitates orientation, around the washbasin in particular. Contrast between walls and floors aids spacial orientation.

PROVIDES ACOUSTIC COMFORT

Acoustic flooring dampens ambient noise which can be a major source of anxiety.



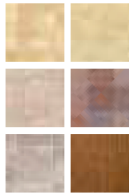
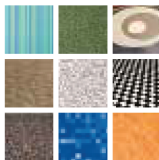


PROMOTES INTIMACY AND MEMORY

Floors with patterns that stimulate memory.

FOLLOW THE CIRCADIAN RHYTHM

Light, bright flooring offers good light reflection and helps to re-establish rhythms.

RECOMMENDED	TO AVOID
 <ul style="list-style-type: none"> • Colours that soothe and reassure patients • Natural, mineral and vegetal colours • Pastel colors • Semi - plain effects • Saturated colours for orientation • Matt finish 	 <ul style="list-style-type: none"> • Sharp, electric colors which can cause agitation and confusion • Dark brown, black and grey, which can create fear that there is an obstacle • Very light colors and white, in particular, that may seem blinding • Bright red, which can cause
 <ul style="list-style-type: none"> • Encourage memory • Remind patients of familiar environments • Neutral, warm plain materials • Subtly patterned textures and discreet dots or non-figurative motifs 	 <ul style="list-style-type: none"> • Large stripes in bright colours • Repeating geometrical patterns like circles, checkerboards, diamond shapes or grids • Flakes with highly contrasted colours • Typographic • Imitations of natural materials like grass, pebbles, leaves, straw, etc., can create confusion

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



1 in 3 people
over 65*



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.**



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 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.
- **Use non-institutional floorings with soft patterns** to prevent misinterpretation. A strip on the floor can appear as an obstacle or step. Avoid circular or square motifs in flooring as they can also confuse people with dementia, causing them to stop.

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.
- Avoid mirrors as people with advanced dementia cannot always recognize themselves.

* Source: World Health Organization

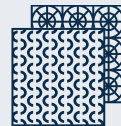


“A good floor space for older people, and particularly those with dementia, allows and encourages activities, involvement, loyalty, comfort and ultimately identity in a positive way. People with dementia need to feel that every detail is designed to generate well-being. The floor is key to the environment.”

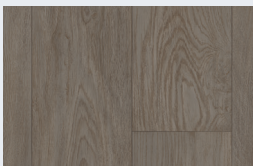
*Prof. Dipl.-Ing. Rudolf Schrickler,
President BDIA*



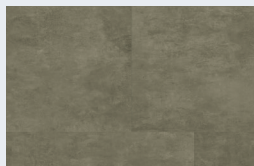
**USE PLAIN PATTERNS,
MATERIAL EFFECTS
WITH SUBTLE PATTERN**



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



Acczent Excellence
Brushed Oak Medium
25132026



ID Inspiration
Polished Concrete
Dark Grey
24207077



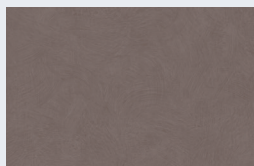
Acczent Excellence
Cubic Bright Orange
25130162



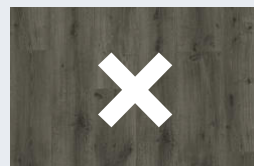
ID Inspiration
Contemporary Oak Natural
24275111



ID Inspiration
Tisse Green
24207091



Acczent Excellence
Esquisse
Light Chocolate
25128017




ID Inspiration
Rustic Oak Stone
Brown
24210121



Acczent Excellence
Bubbles Cold Mix
25130143

SUPPORTING A HEALING ENVIRONMENT

Quieter environments have been shown to improve patient and staff satisfaction and morale. Our flooring solutions are engineered to provide safe and comfortable environments for healing, learning, working and living. We have developed a hybrid resilient sheet floorcovering that enable to provide the comfort of carpet with the performance of vinyl.



It looks and feel like carpet, it performs like resilient. Powerbond is a unique construction of nylon and closed-cell cushion. Heat and pressure “Powerbond” the wear layer to the closed-cell cushion, producing a floorcovering that is integral and inseparable.



CREATES QUIETER ENVIRONMENTS

Carpet floorcovering is the most effective flooring when it comes to acoustic. Also, closed-cell cushion reduces footfall impacts and reverberation times as compared to hard surface.



SOLVE HUMIDITY ISSUES

Powerbond's closed cell construction allows subfloor moisture to evaporate harmlessly into the drier air above it. As long as there's no standing water, it can go right down on the concrete, saving lots of money and downtime.

OUR RECOMMENDATION

Noise is a common cause of anxiety. Ensure patient comfort by creating a quiet and safe environment. While tiling reflects soundwaves, soft flooring absorbs them, thereby reducing noise pollution.

OUR RECOMMENDATION

- By selecting Powerbond, it enable to reduce the need for moisture testing as the seams are chemically welded together, creating an impermeable moisture barrier.
- We recommend to install Powerbond with certified installers.

* Source: World Health Organization



IMPACT SOUND REDUCTION – ACCORDING TO NF EN ISO 717 / 2

TARKETT SOLUTIONS	SOUND REDUCTION
Carpet (Powerbond, Desso, Tandus)	~45 dB
Vinyl of foam backing (Tapiflex, iQ Acoustic)	~19 dB
Linoleum on foam backing (Linoleum Silencio)	~ 18 dB
Linoleum compact 2.5mm	~ 6 dB
Vinyl Compact (Acczent, iQ)	~ 3 dB
Ceramics	~ 0 dB

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. It's also important to address the visual difficulties related to dementia:

- Sufferers don't perceive pastel colours.
- They can misinterpret what they see (e.g. strong patterns, glossy flooring).
- They have reduced spatial awareness and trouble seeing in 3 dimensions.

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**.

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.

* Source: Royal National Institute of Blind People



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. Mix natural and artificial light to provide uniform levels of lighting and eliminate shadows that could be misinterpreted as obstacles. Always avoid glare and reflective surfaces.

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".



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



*David Burgher,
Architect and Director at Aitken Turnbull*

UNDERSTANDING CHANGES IN COLOUR PERCEPTION

The ageing process alters the perception of colour, with contrasts harder to identify and shades less vivid. Reds can start to appear pink, while distinguishing between tones of blue and green gets more difficult.

MAXIMISE LIGHT

SUGGESTED LEVELS OF LIGHT PER AREA

 SPACE	 LIGHTING INTENSITY (LUX)
Corridors	300
Activity spaces	350
Bedrooms Reading area	350
Bedrooms Ambient	250
Bathrooms	250



Normal Vision




Ageing Vision


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*

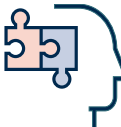


2 in 3 people
over 80 once a year*



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

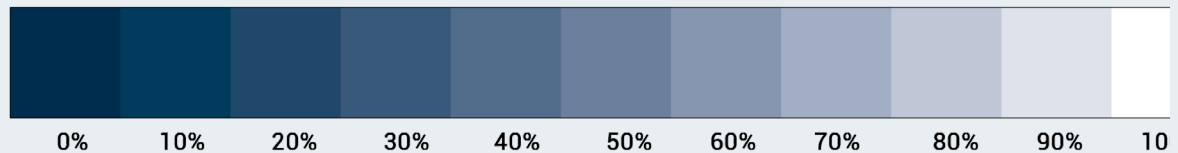
- To further encourage residents' mobility, smooth, matte and slip-resistant floors that are free from obstacles and comfortable to walk on will help reduce the risk of falls and accidents.
- Avoid long corridors and a uniform design style that leads to repetitive surroundings.
- Ensure a contrast of at least 70 points LRV between the picture and the background.

* Source: World Health Organization

FOCUS ON LIGHT REFLECTANCE VALUE (LRV)

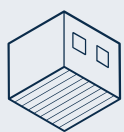
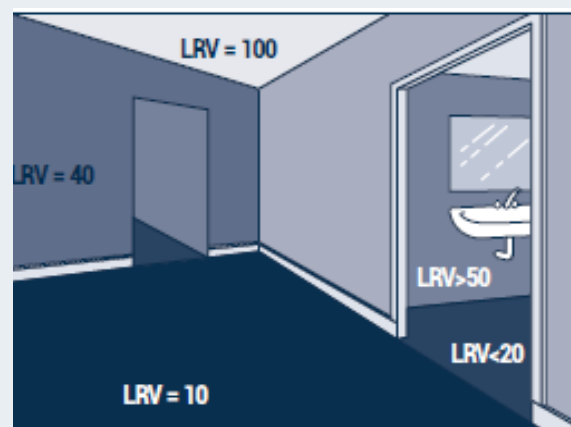
Light reflectance value is a measure of the light reflected from a surface illuminated by a light source. The LRV scale runs from 0, the darkest or least reflective, to 100, the brightest or most reflective. Factoring LRV into a design scheme will show the degree of contrast generated.

LRV Scale

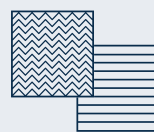


USE LRV TO CREATE EFFECTIVE CONTRAST

We advise targeting an LRV value between 10 and 40 for floors and using matt finishes to prevent glare and a glossy, wet look. High contrast between the floor and walls and between furniture and the floor heightens visual perception. Aim for an LRV differential of >30 points. Low contrast creates a smooth transition from bedroom to wetroom and from bedroom to corridor. An LRV differential of <10 points should be your goal here.



CONTRAST BETWEEN WALLS AND FLOORS



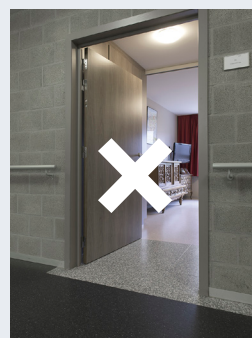
CONTRAST BETWEEN TWO ADJACENT FLOOR SURFACES



LRV wall: 70
LRV floor: 65



LRV wall: 70
LRV floor: 18



LRV hallway: 6
LRV entrance: 30



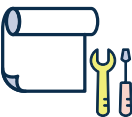
LRV hallway: 20
LRV bedroom: 28

EASY WAYFINDING

Because ageing leads to a loss of visual acuity and a reduced field of vision, helping elderly people's visual perception is vital to keeping them mobile. As a sensory stimulant, flooring can boost older people's confidence by helping finding their way more easily thanks to integrated signals or clear zoning.

"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 IN FRANCE ¹



USE CLEAR ICONOGRAPHY

Use the floor to deliver a message, easy to read or identify when walking.



PROVIDING ORIENTATION THROUGH ARROWS

The wayfinding drop-in carpet tiles in striking yellow and blacks offer a clear, constant and visual reminder of how to navigate – safely.

OUR RECOMMENDATION

- From basic lettering, to logos and emblems, Floorcraft emphasizes the identity of your space and provides information to the patients.
- Use welding rods on vinyl rolls to better delimit the space

OUR RECOMMENDATION

- Easily remove your current carpet tiles (50x50cm) and replace them with DESSO Icons wayfinding tiles, where required: in corridors, at the entrance of patient rooms or break areas for example.
- Place the arrow in any direction based on your requirement.

¹: Tarkett Aged Care white Paper



ENSURING GOOD INDOOR AIR QUALITY

Indoor air pollution can be up to five times greater than outdoor air pollution ¹. **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." ²



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/m³ 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 Medicine. 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 ($\mu\text{g}/\text{m}^3$)	<10 *	<10	<10	<100	<100
Phthalate-free **	✓	✓	✓	✓	✓
REACH compliancy (Registration, Evaluation, Authorization and restriction of CChemicals)	✓	✓	✓	✓	✓

* iQ One ≤ 100

** Close to 100% phthalate-free

SOLUTIONS THAT CLEAR THE AIR

When it comes to indoor air quality, invisible particles called particulate matter (PM), also known as fine dust, play a determining factor and are directly linked to health risks 'They can contain microbial contaminants, such as mould, pollen and allergens, which can lead to respiratory problems and allergic reactions. They can also affect the heart and lungs, causing serious physiological problems.



<10 µm

The diameter of particles that pose a problem to human health

x8



The effectiveness of DESSO AirMaster at capturing and retaining fine dust than smooth flooring solutions



PROVEN EFFECTIVENESS IN CLEANING THE AIR

DESSO AirMaster is the first product in the world to be awarded the GUI Gold Plus label, the highest possible accreditation awarded by Germany's leading independent air quality testing organization.



EASY MAINTENANCE

Good maintenance enables the DESSO AirMaster to perform to its best over time, continuously retaining fine dust from the indoor air.

OUR RECOMMENDATION

- The Gold Plus label was awarded for high performance on 3 test criteria: suitability for allergy sufferers, high fine dust binding capacity and Low Volatile Organic Compound (VOC) emission properties
- Don't hesitate to ask us for more information or for certificate

OUR RECOMMENDATION

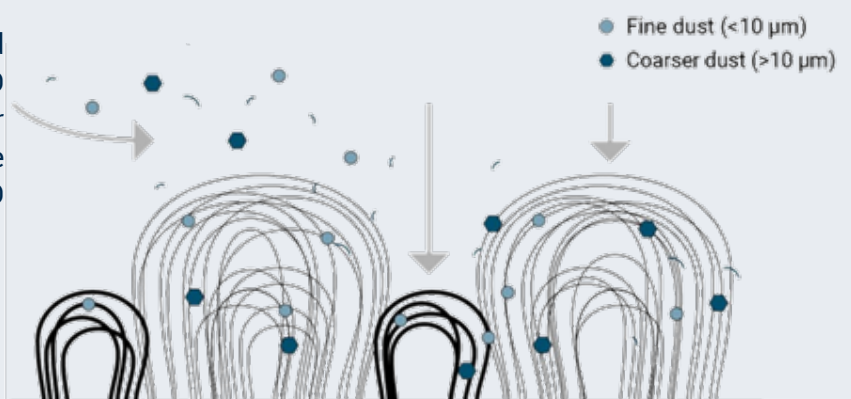
- During vacuum cleaning, more than 80% of the captured dust is released by DESSO AirMaster, which is a 16% improvement over standard
- Apply a brush roller nozzle for professional use. And select a vacuum cleaner with HEPA filter to prevent the fine dust from being blown back into the air.



DESSO AIRMASTER® CONTRIBUTES TO A HEALTHIER AGED CARE FACILITY

Carpets are good choice for Aged Care facilities as they help to absorb sound, improve air quality and create a welcoming environment. DESSO AirMaster's patented technology helps to improve indoor air quality for patients and caregivers.

Fine dust is caught and retained in the fine yarns of its DESSO AirFilters™, while coarser dust is captured in the thicker yarns of the DESSO DustCollectors™.



INFECTION CONTROL MANAGEMENT

Research is showing that adults 60 and older, especially those with preexisting medical conditions, especially heart disease, lung disease, diabetes or cancer are especially vulnerable to severe illness., including virus infection. It is important to implement infection control measures in Aged Care facilities to lower the risk of infection spreading.

“Researchers from the Chinese Center for Disease Control and Prevention studied 72,000 COVID-19 cases in mainland China. The case-fatality rate was 2.3%. While most cases were mild, the disease hit the elderly hard: 53% of ICU admissions and 80% of deaths involved seniors¹.



SELECT EASY TO CLEAN MATERIALS

When it comes to infection control, the most important criteria is the cleanability of materials. They have to be compatible with cleaning chemicals and frequent disinfection procedures.



PRACTICE PHYSICAL DISTANCING BUT NOT SOCIAL ISOLATION

Delimit the space by using colour contrast, enabling patient to better identify each area. But always make sure it does not mean isolation or loneliness.

OUR RECOMMENDATION

- Vinyl rolls is the easiest flooring to clean and maintain, they are the most hygienic flooring. Installed with hot welded joints, they enable hermetic, smooth & watertight surfaces.

OUR RECOMMENDATION

- Design the layout of your aged care facility by integrating different patterns and colours to enable patient easily identify where they are and to better delimit their own space.

¹: Soucheray, Stephanie. Study of 72,000 COVID-19 patients finds 2.3% death rate, Center for Infectious Disease Research and Policy, Feb 24, 2020



“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)



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.**



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

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**.

OUR RECOMMENDATION

- Use safety flooring where people move around barefooted.
- 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.
- Use dark colours to discourage access to specific areas (e.g. staff room, windows etc.) in a non-intrusive way.
- To signal caution before stairways, use warning tiles in contrasting colours.
- To help residents recognise stairways, ensure a contrast of 70 LRV points between stairs and stair noses, and on the first and the last risers.



“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
Barefoot areas Shower rooms, Lockers	DIN 51097	Class A (occasional water protection): angle >12°
		Class B (shower room – changing room): angle >18°
	EN13845 ANNEX C	Class C (constantly under water): angle >24°
		Esb: angle >15°
Wearfoot areas Kitchens, Lavatories, Workshop	DIN 51130	R10: Occasional water spillages
		R11: Water and viscous spillages
	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 Genius loose lay collections 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 56% faster than glue-down flooring.

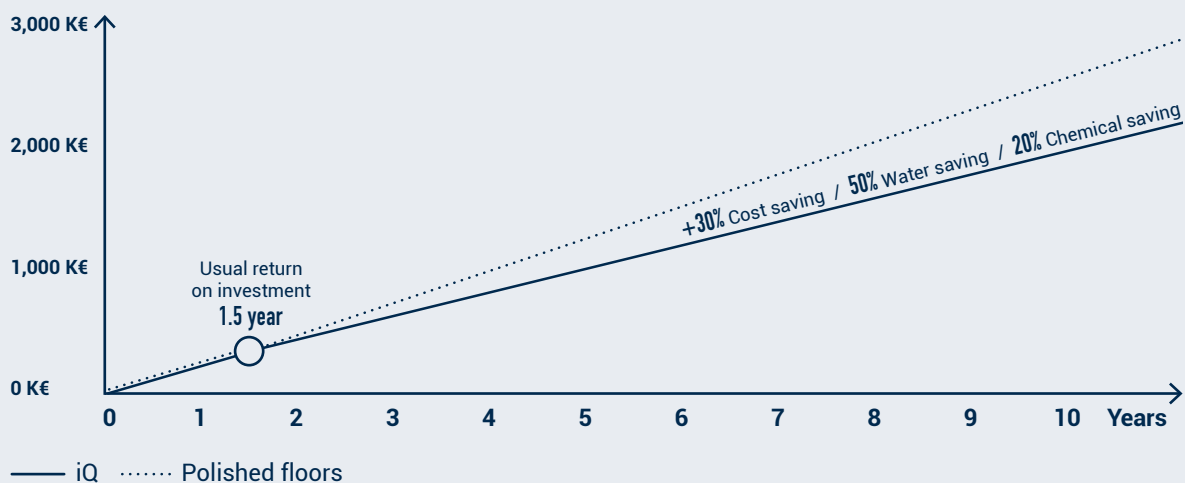
* Refer to Tarkett Life-Cycle Cost (LCC) software



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

CORRIDORS	37
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BEDROOMS	41
EN SUITE & ASSISTED BATHROOM	43
DINING ROOM	45

THE RIGHT SOLUTION FOR EVERY SPACE!

Kitchen
Safetred Universal Plus

Dining Room
Tapiflex Excellence 80

Common area / Lounge
iD Inspiration 70

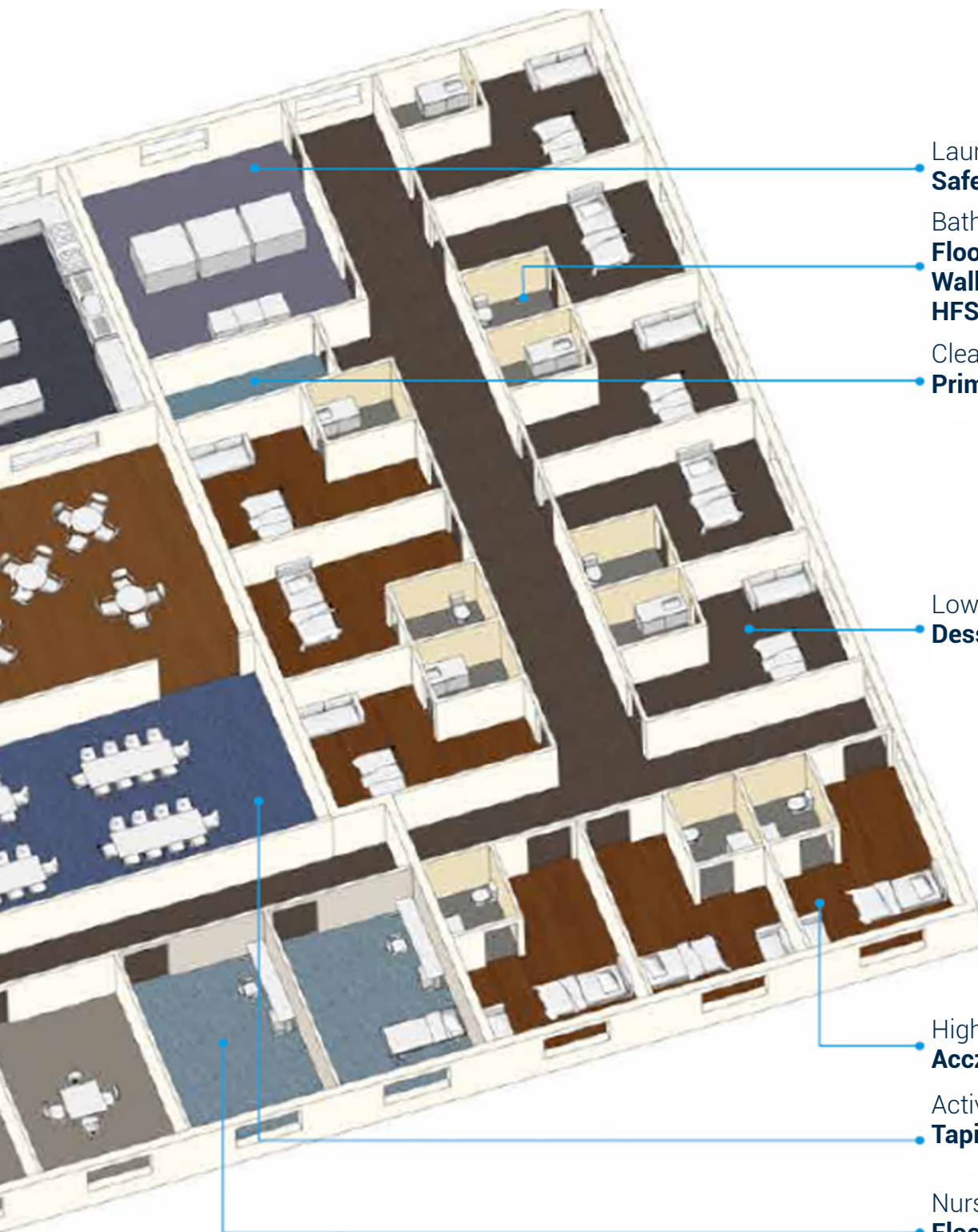
Consulting Room
Ruby 70

Storage Room
Ruby 70

Toilets
Granit Safe. T

Office and reception
Desso AirMaster

Entrance
Starfloor Click Ultimate



Laundry
Safetred Universal

Bathroom
Floors: Multisafe Aqua
Walls: Aquarelle Wall
HFS

Cleaners Room
Primo Safe. T

Low Care bedrooms
Desso AirMaster

High Care bedrooms
Acczent Excellence 80

Activities Room
Tapiflex Essential 50

Nurses / Treatment Room
Floors: iQ Optima
Walls: Protect Wall

Corridors
Tandus Powerbond
Carpet

“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

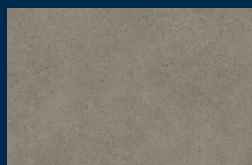
FOCUS: THINK ABOUT COLOUR CONTRASTS TO ENCOURAGE MOBILITY

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

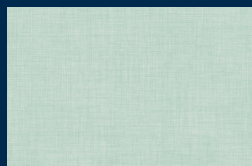


Acczent Excellence 80
Concrete Warm Grey
25128504 – LRV 19



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

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

Acczent 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, Somplan, Ruby 70

>YOUR NEED: COMFORT & PERFORMANCE

POWERBOND

Hybrid resilient sheet


- Acoustical and comfort under foot benefits
- Provides added slip resistance
- Unique hybrid resilient construction has the cleaning & durability of resilient flooring, with the acoustical and comfort of a soft surface floor

- Eco-Ensure soil treatment uses all-natural elements and protects against stains
- Peel & Stick installation for immediate occupancy

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



“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, Acczent Excellence, Acczent Genius, Powerbond

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

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 Genius

Loose-Lay Heterogeneous

- Reduce installation time by 56% at first installation and shorten each renovation time by 92% vs glue down installation (no scrapping no gluing, immediate setting into traffic, easier removal of old flooring)
- Patented anti-skid backing to ease installation and create ventilation
- 25 designs from Excellence collection
- 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, Desso AirMaster



GRANIT MULTISAFE
GREY BEIGE
 3476745

AQUARELLE WALL HFS
STONE DARK WARM GREY
 3942042

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)

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

> YOUR NEED: THE SAFEST SOLUTION

Granit Multisafe

Homogeneous vinyl

- Studded surface for highest barefoot slip resistance: Class C
- Highly flexible to ease installation and coving
- Full watertight system with limited number of joints
- Contributes to good indoor air quality (TVOC < 10 µg/m³)
- 100% Phthalate free

> YOUR NEED: HOMEY DESIGNS

Multisafe Aqua

Heterogeneous vinyl

- Choice of warm designs for a stylish shower
- Easy-to-clean embossing with TopClean Xp PUR reinforcement
- Full watertight system with limited number of joints
- Contributes to good indoor air quality (TVOC < 10 µg/m³)
- 100% Phthalate free

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

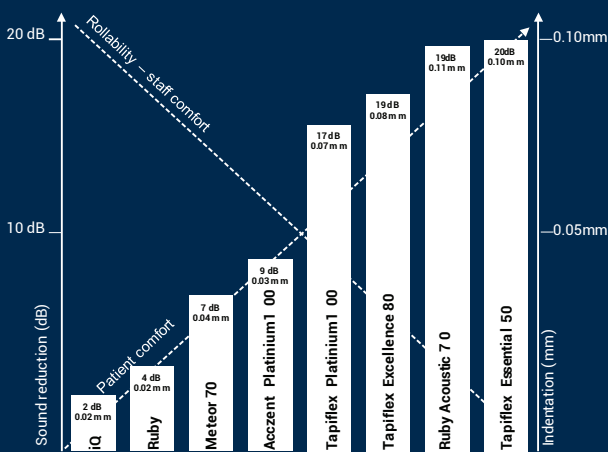
- Drains
- Cove formers
- Junction profile



ACCZENT PLATINIUM 100
UNI DARK BEIGE
25177918

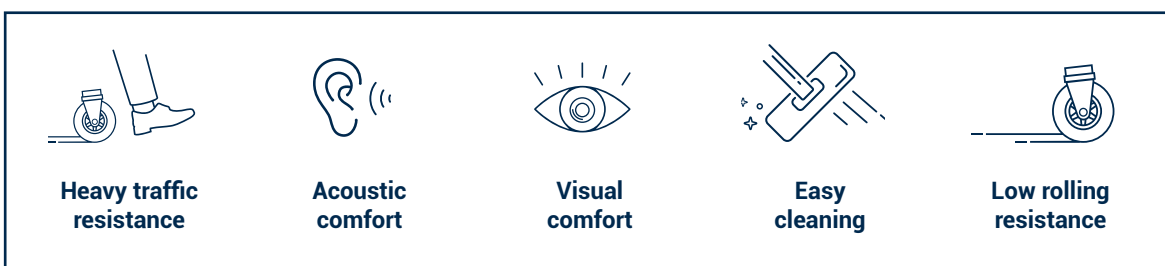
FOCUS: FIND THE RIGHT BALANCE BETWEEN ROLLABILITY & ACOUSTIC PERFORMANCE FOR THE COMFORT OF RESIDENTS & CAREGIVERS

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.



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.



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 (ΔL_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, Ruby Acoustic 70, Tapiflex Essential 50

		Homogeneous compact		Heterogeneous Compact			Heterogeneous acoustic		
		IQ RANGES	PREMIUM RANGES	ACCZENT RANGES		LOOSE LAY	TAPIFLEX		
		iQ Granit / Optima / Natural / Megalit / Eminent /	Primo Premium / Eclipse Premium	Acczent Excellence 80	Acczent Platinum 100	Acczent Genius	Tapiflex Essential 50	Tapiflex Excellence 80	Tapiflex Platinum 100
		CORRIDORS	CORRIDORS, STORAGE AREAS	BEDROOMS	CORRIDORS, DINING ROOM	BEDROOMS	BEDROOMS	DINING ROOM	DINING ROOM
Durability and resistance	Commercial class <i>EN ISO 10874</i>	34	34	34	34	34	34	34	34
	Total thickness <i>EN ISO 24346</i>	2 mm	2 mm	2 mm	2.45 mm	2.45 mm	3.3 mm	3.25 mm	3.10 mm
	Wear layer thickness <i>EN ISO 24340 (EN 429)</i>	2 mm	2 mm	0.80 mm	1.02 mm	0.70 mm	0.50 mm	0.80 mm	1.02 mm
	Average indentation <i>EN ISO 24343-1</i>	0.02 mm	0.03 mm	0.03 mm	0.04 mm	0.03 mm	0.13 mm	0.10 mm	0.09 mm
	Resistance to impacts <i>EN 259-2 (walls)</i>	–	–	–	–	–	–	–	–
	Scratch resistance (walls)	–	–	–	–	–	–	–	–
	Thermal resistance / underfloor heating <i>EN ISO 10456</i>	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
Easy cleaning	Surface Treatment	iQ™	PUR Reinforced	TopClean XP™	TopClean XP™	TopClean XP™	TopClean™	TopClean XP™	TopClean XP™
	Surface Treatment performance	***	**	***	***	***	**	***	***
Acoustic comfort	Impact sound reduction <i>EN ISO 717 / 2</i>	–	–	3 dB	9 dB	4 dB	20 dB	19 dB	17 dB
	Acoustic Improvement <i>NF S31-074</i>	–	–	Class C	Class C	Class C	Class A	Class A	Class A
Slip resistance	DIN51130	R9	R9	R9/R10 (Wood)	R9	R9/R10 (Wood)	R9	R9/R10 (Wood)	R9
	DIN51097	–	–	–	–	–	–	–	–
	EN 13845 Annexe C	–	–	–	–	–	–	–	–
Indoor Air Quality & Environment	Total VOC emissions <i>ISO 16000-9</i>	< 10 µg / m³	< 10 µg / m³	< 10 µg / m³	< 10 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
	% Recyclable	100%	100%	100%	100%	100%	100%	100%	100%
	% Recycled content	26%	26%	33%	29%	28%	22%	21%	21%
Reaction to fire	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
	EN ISO 9239-1			≥ 8 kW/ m²	≥ 8 kW/m131	–	–	–	–
	EN ISO 11925-2	Pass	Pass	–	–	–	–	–	–

Linoleum	Luxury Vinyl Tiles			Homogeneous		Heterogeneous	Homogeneous	Heterogeneous		Heterogeneous
XF2 2.5	GLUE DOWN LVT	CLICK LVT		SAFETY SOLUTIONS			WETROOM CONCEPT			WALL PROTECTION
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	COMMON AREAS	COMMON AREAS	COMMON AREAS	ALL USES	ALL USES	ALL USES	WETROOMS	WETROOMS	WETROOMS	CORRIDORS
34	34	34	34	34	34	34	31	33	–	–
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
	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
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	–	–
	–			–	–	–	–	–	–	No visible bursts or cracks
	–			–	–	–	–	–	–	Sclerometre test: Excellent
										No visible scratch to naked eye
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
Xf2	TopClean XP™	TopClean XP™	PUR Ultimate	Safety Clean™	Safety Clean™	Safety Clean™	–	TopClean XP™	–	TopClean XPTM
***	***	***	***	**	**	**	–	***	–	***
6 dB	2 dB	3 dB	19 dB	–	–	6 dB (Spectrum) 4 dB (Ion, Design, Universal)	–	–	–	–
Class C	Class C	Class C	Class C	–	–	Class C	–	–	–	–
R9	R9/R10 (depending on embossing)	R9/R10 (depending on embossing)	R9	R10	R10	R10	R10		–	–
	–	–		Class B	Class B	–	Class C	Class A: Water rings Class C: Stone, Fibre wood	–	–
	–	–		Esf / Esb		Esf	Esf / Esb	Esf / Esb	–	–
< 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
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
–	32%	–	–	–	25.5%	–	–	–	–	11%
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
–	–	–	–	≥ 8 kW/ m²	≥ 8 kW/ m²	–	≥ 8 kW/ m²	–	–	–
–	–	–	–	Pass	Pass	–	Pass	–	–	–

Location	Criteria	iQ ranges	Premium ranges	Tapiflex Excellence 80	
Entrance / reception	Highlight area with a pleasant, welcoming feel. High wear resistance from outside dirt/grit.	R	S		
Corridors	Durability, sound reduction, easy rolling for trolleys, etc.	R	R		
Consulting / treatment room	Warm relaxing area.	R	R	R	
Activities room	Walking comfort, dynamic ambiance, easy to clean.	R	R	S	
Dining room	Design, durability, stain resistance and easy cleaning.	R	R	R	
Kitchen	Safety, slip resistance and cleaning efficiency.				
Office	Visual and acoustic comfort. Indentation and abrasion resistance to chairs and furniture	S	S	R	
Nurses room	Clean, comfortable work area	R	R		
Laundry	Durability, slip resistance and easy to clean				
Cleaner's / storage room	Durability, slip resistance				
Bedroom	Visual comfort, impervious and easy to clean	R	R	S	
Bathroom	Slip resistance, easy access and watertight				

R Recommended

S Suitable

Accent Excellence 80	Ruby 70	iD Inspiration 70	iD Click Ultimate	Granit Safe. T/ Primo Safe.T	Safetred ranges	Granit / Optima Multisafe; Multisafe Aqua	Aquarelle Wall HFS / Wallgard	Powerbond	Desso Airmaster	Desso / Tandus carpet tiles
R	S	R	R							
R	S							R		
R	S						R			
R	R	R	R							
R	S	R	R							
				R	R					
R	S	R	R					R	R	S
	S							R	R	
				S	R	S	R			
				S	R	S				
R	R							S	S	
				R		R	R			

REFERENCES



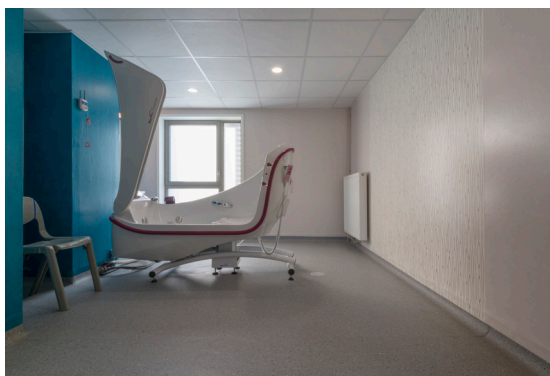
Nursing home Maison du Parc,
Saint-Ouen-l'Aumône – France
Architect: Catherine Girardon



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



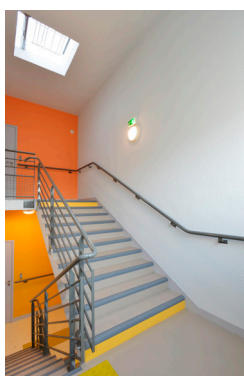
Retirement home De Waterdam,
Roeselare – Belgium
Architect: Eeckhout



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



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



Nursing home St. Radegund,
Athies – France
Agence Faucet



Saint Anna's At Lambeth House, New Orleans,
United States

TARKETT, A TRULY GLOBAL COMPANY



Alzheimer special care unit
Mattaincourt – France
Agence Bouthier



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



Saint Anna's At Lambeth House, New Orleans,
United States



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



€ **3** billion
net sales



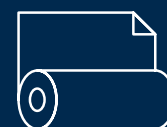
21 acquisitions
in the last 10 years



35 manufacturing sites



100 countries
covered



1.3 million m²
flooring sold every day

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