

ProtectWALL

HETEROGENEOUS VINYL

Designed
for impact

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PROTECTWALL
UNI - WHITE BLUE - 049
UNI - DARK AQUA - 135

EXCELLENCE
OAK LONGSTRIPE - NATURAL - 002

CREATE DISTINCT SPACES FROM FLOORS TO WALL

In turbulent Education and Health Care environments, and humming Hospitality and Office areas, save walls from rough treatment and the repeated necessity of renovation. ProtectWALL extends Tarkett's expertise in hygiene and durability to wall surfaces. And like all of Tarkett's heterogeneous (HE) premium collections, it is 100% phthalate-free.

Use ProtectWALL in both technical and general areas to deliver ten years of protection from scratches, impacts and staining agents. Now in a new 1-metre horizontal roll format, installation is quick, easy and continuous. Choose from block colours, prints, unique linear designs and

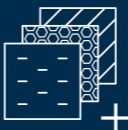
smart patterns that hide scratches and impacts. Coving, hot welding, caps and corners finish off the space for an entirely seamless installation.

3 references are CR Clean Room Class 1 ISO certified for safe use in clean rooms and laboratories. Cleaning and maintenance are effortless and economical.

And at 20 references, ProtectWALL has one of the widest selections of design options available. Tarkett's Excellence, Platinum and Stairs collections are designed to create beautiful spaces as they harmonize effortlessly with ProtectWALL.

DESIGN

 **20+**
wall protection
references

 **NEW!**
5 decorative printed designs
Create a warm & welcoming atmosphere

 **NEW!**
Ready-to-use 1-metre rolls
Cover corridors in minutes with new cut service

 Full Floor, Wall & Stairs
coordination

PERFORMANCE

 **Renovation-free wall protection for 10 years**
· **50% savings** over 10 years vs paint & stiff plates
· **Resists direct shock impacts**
· **Resists scratches** up to 20 Newtons pressure

 **Priority hygiene & effortless maintenance**
· **10 times fewer joints***
· **Hot welded installation** from floor to wall
· **High flexibility** to cove corners
· **Resists stains**
· Easy to clean

 **Best-in-class for clean rooms & laboratories**
ProtectWALL 2CR ISO Class 1 certified**

* vs stiff plates (30m corridor)
** (EN 14644-1)



PROTECTWALL
 TISSE - LIGHT YELLOW - 055
 UNI - BRIGHT YELLOW - 037

EXCELLENCE
 TISSAGE - SOFT YELLOW - 133
 UNI - BRIGHT YELLOW - 930

HIGH STANDARDS FOR SAFETY AND WELL-BEING

The overall character of the indoor environments that Tarkett helps to create comes not just from colour and design, but also from good air quality and the assurance of meeting fire safety norms.

A pillar of Tarkett's sustainability strategy has always been designing and making products that contribute to the health and well-being of occupants.

In 2014, the company therefore decided to take the radical step of eliminating phthalates from its vinyl flooring production in Europe. We replaced it with phthalate-free plasticizers that are approved for food containers and toys for young children.

Today, with the launch of our 100% phthalate-free Excellence collection, we are proactively meeting consumer concerns. For creating healthy spaces where people live, work, play and learn, Tarkett is your partner.

 **100%**
 phthalate-free

Beneficial Air Quality

Most people spend the vast majority of their time inside, and the air they breathe has an important impact on their health. ProtectWALL keeps levels of volatile organic compounds (VOCs) to a strict minimum.

 **VOCs**
10 µg/m³
 over 100 times lower than
 EU standard EN ISO 16000

Essential Fire Safety

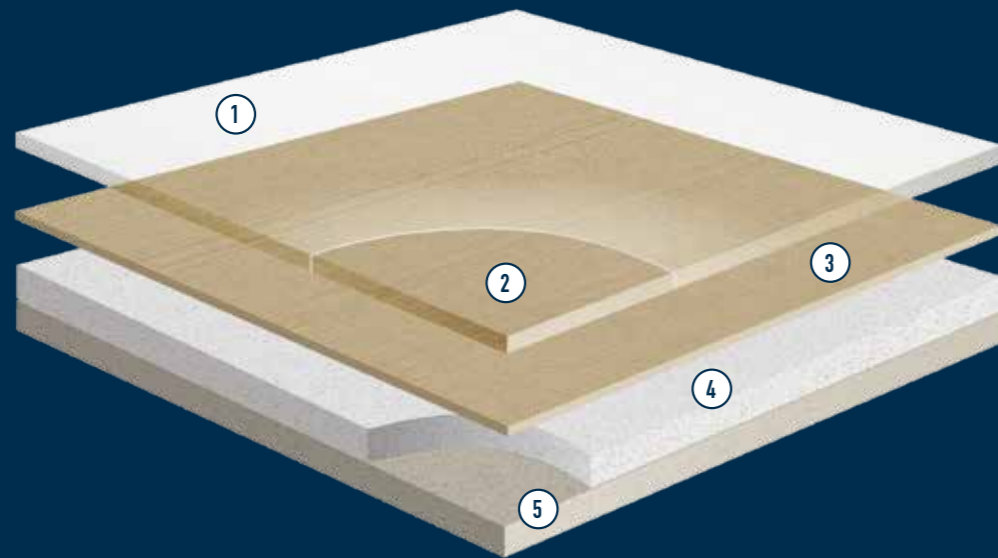
PRODUCT	APPLICATION	REACTION TO FIRE EN1350-1
ProtectWALL 1.5 1.5 mm total thickness	Classrooms, corridors patient rooms, wards, circulations	B-s2, d0
ProtectWALL CR 1.5mm total thickness	Clean rooms: operating theatre, laboratories	B-s3, d0

In hospitals, care institutions, schools, shops and storage areas, ProtectWALL 1.5 is a heavy duty covering for walls and doors in corridors, patient rooms and other areas, and meets fire standards to ensure the safety of building occupants.

ProtectWALL can cover **100%** of wall surfaces*

* in most European countries

A CONCENTRATION OF TECHNOLOGY



1
Clear Wear layer :
0.15mm ProtectWALL 1.5 ;
0.15 mm ProtectWALL CR.
Excellent resistance to abrasion.

2
Top clean XP PUR Reinforced :
Excellent resistance to scuffing,
soiling and staining.
Easy maintenance.

3
Printed film : 0.14mm.
High definition design. Helio printed.

4
Intermediate layer : 0.52mm.
High definition to impacts.

5
Backing layer :
0.53mm ProtectWALL
1.5mm ; 0.53mm
ProtectWALL CR.
High resistance to impacts.

RENOVATION-FREE FOR TEN YEARS

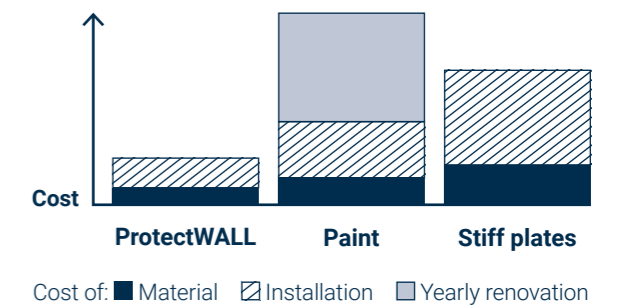
Gone are the headache and expense of regularly renovating walls to keep them looking fresh. ProtectWall absorbs shocks and abrasions, keeping walls in good condition for a minimum of ten years.

Installation and Maintenance Savings

Compared to stiff plates and paint, ProtectWall delivers a rapid return on investment that continues to grow over a ten-year period and beyond.

50% savings over 10 years
vs stiff plates and paint

Cost over a 10-year period



Robust Resistance to Shocks and Impacts

In corridors, patient rooms and cafeterias, ProtectWALL endures bumps and scratches from hospital beds, trolleys, heavy equipment, student backpacks and craft knives. Walls stay clean and intact.

Complies with standard EN 259-2

Hardness shore A
> 90%

Withstands impacts & shocks
> 7 kg/cm²

Resists Impacts

ProtectWALL's engineered construction, both for 2CR and 1.5mm enhanced profiles, makes it as resistant as stiff plates to impacts. See cross section page 6.

After impacts or a hammer blow:



ProtectWALL
No impact



Plasterboard
Damaged



Stiff plates
Scratched

Resists Scratches

Using smart and textured embossing, ProtectWALL withstands up to 20N of force and stays scratch-free. See cross section below page 6.

After scratches or voluntary damage:



ProtectWALL
No impact



Plasterboard
Damaged



Stiff plates
Scratched



FLAWLESS HYGIENE FOR ALL ENVIRONMENTS

ProtectWALL adapts itself to all types of technical requirements, from simple wall protection along corridors, to full coverage from floor to ceiling when hygiene is of utmost importance.



**No Place
for Germs to Gather**

ProtectWALL vastly reduces germ infiltration by limiting the number of joints necessary – possible sites where germs can reside – thanks to continuous installation and flexibility.

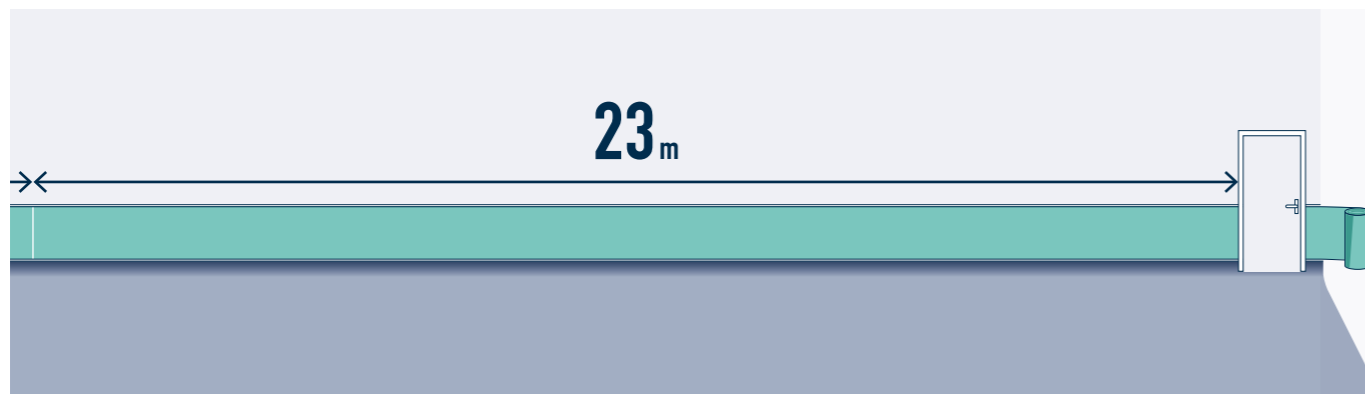


**Impeccable
Presentation**

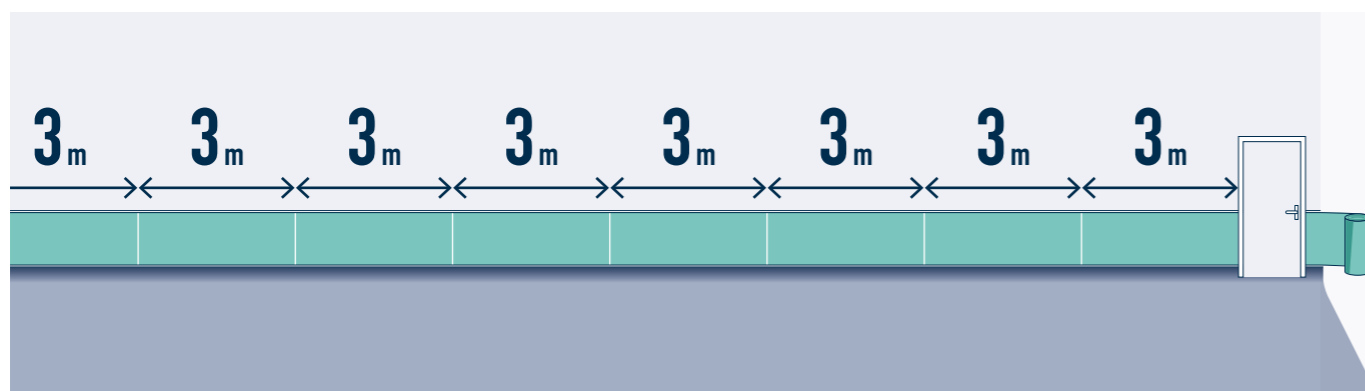
Thanks to the PUR surface treatment, ProtectWALL meets a wide range of standards in terms of stain resistance. Cleaning is simple, even in special circumstances when only clear water and a steam cleaner are allowed.

10 times fewer joints

ProtectWALL – joints every 23 metres



Stiff plates – joints every 3 metres



Impenetrable hot welded joints

ProtectWALL's joints meet the EN 684 standard and stay intact under enormous stress, ensuring an immaculate surface and peace of mind.

Joints resist tearing when stretched using over 400N of force per 50mm.

1.5mm can be hot welded

High flexibility coving

Meeting the ISO 24344 flexibility standard, which is measured using a specific rolling tool, ProtectWALL doesn't crack, guaranteed.

Cove inside and outside corners



Immune to stains

HEALTHCARE

- ✓ Acetic acid 50%
- ✓ Betadine
- ✓ Cetavlon
- ✓ Chloroform photocopier ink
- ✓ Concentrated acid for haemodialysis
- ✓ Ether
- ✓ Ethyl acetate
- ✓ Formic acid concentrate
- ✓ Formol
- ✓ Hydrochloric acid concentrate
- ✓ Hydrochloric acid 50%
- ✓ Mercryl
- ✓ Nitric acid 50%
- ✓ Nitric acid concentrated
- ✓ Peroxide

EDUCATION

- ✓ Ball point pen
- ✓ Bleach
- ✓ Gouache poster paint
- ✓ Photocopier ink
- ✓ Lead pencil
- ✓ Nail varnish
- ✓ Rust
- ✓ Butter
- ✓ Soda
- ✓ Tomato sauce
- ✓ Shoe polish
- ✓ Ink



PROTECTWALL
UNI - SUPER WHITE CR - 061



EXCELLENCE
TISSAGE - SOFT LIGHT BLUE - 130
UNI - WHITE - 940

CLEAN ROOM SOLUTION IN, CONTAMINATION OUT

Tarkett developed ProtectWALL CR specifically for the carefully regulated environments in clean rooms and laboratories. It achieves best-in-class performance in minimising infection and contamination.



Sterile Atmosphere

ProtectWALL ensures total hygienic cleanliness, strictly limiting airborne particle concentrations and meeting numerous clean room hygiene standards.



Hermetically Sealed Spaces

Spaces

Combining all of Tarkett's solutions, seals germs out and creates a fully waterproof surface. Coving leaves no sharp corners so that all floor and wall angles can be sanitised.

ISO Class 1 certified

INFECTIOUS RISK LEVEL	AIR CLEANLINESS CLASSIFICATION (PARTICLES)	MAXIMUM CONCENTRATION IN NUMBER OF PARTICLES PER CUBIC METRE OF AIR (µm/m³)					
		ISO	GMP	0,1µm	0,2µm	0,3µm	0,5µm

Highest risk and most demanding levels (electronic industries...)	ProtectWALL CR					
	-	10	2	-	-	-

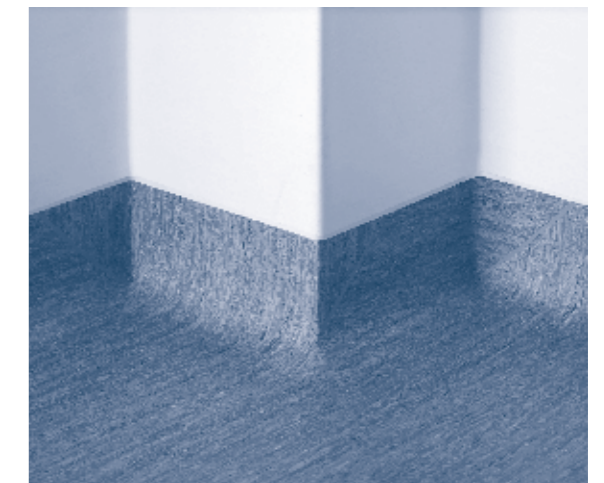
Chemical resistance **ISO 26987** Excellent*

Bacteria resistance **ISO 846**
Does not favor bacterial growth (Pseudomonas aeruginosa).
Tarkett solutions are fungistatics and bacteriostatics

Classification of particulate surface cleanliness **ISO EN 14644-9**
Excellent
99,8% of the particles applied could be removed*

Ease of decontamination **ISO 8690** Excellent*

100% hygienic & easy to clean surfaces



200,000 m²
installed since 2013

Including hospitals such as La Pitié-Salpatrière (Paris) and Saint-Nazaire University Hospital (Nantes)

*Tarkett level certified by the Fraunhofer Institute.



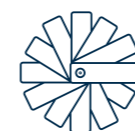
PROTECTWALL
 TRANSITION - BLUE GREEN
 066
 UNI - BRIGHT ICE BLUE 048
 UNI - SUPER WHITE 2CR 061



PLATINIUM
 MELT - TURQUOISE 005
 MELT - LIGHT GREY 009
 SUGAR - TURQUOISE 057

WALLS AS A SPACE FOR INSPIRATION

From linear to vertical, doors to long hallways, functional to inviting, ProtectWALL offers a wide variety of options to include walls in a building's overall aesthetic.



Pick Your Colour

Choose from colours and designs to make spaces more welcoming and comfortable.

20+ designs

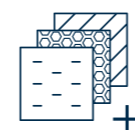
Play with Design

Install ProtectWALL 1.5 horizontally and vertically on walls and doors to create design, signage and accessibility details.

1m & 2m dimensions

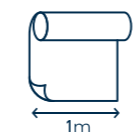
Special attention to smaller spaces

For more personal spaces like patient rooms, ProtectWALL now has a select range of patterns to create a bright and cosy atmosphere.



NEW!

5 home-inspired designs to generate well-being



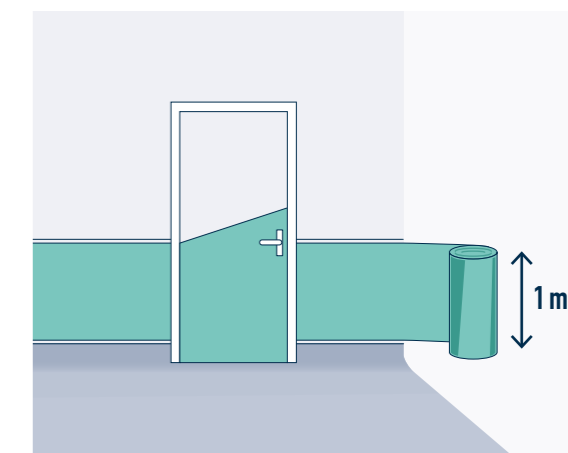
Cut to the Exact Size

Transition is a unique 1-metre-high linear design for corridors that unrolls horizontally along the wall.

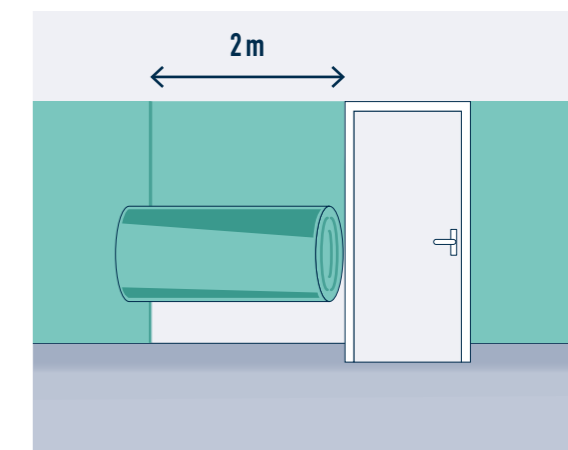
NEW!

Cut Service cuts rolls to fit your space

Horizontal Installation



Vertical Installation





PROTECTWALL
 UNI - GREEN CELADON - 038
 CONCRETE - COOL GREY - 058
 BRUSHED METAL - SILVER
 054



EXCELLENCE
 FACET - WATER 115
 UNI - INTENSE WATER 936
 OAK TREE - GREY 202
 ALLOVER WOOD - WHITE 714

THE FULL SOLUTION FOR AN ENTIRE BUILDING

All of Tarkett's HE collections, Excellence, Platinum, ProtectWALL and Stairs, are designed to mix and match with each other. Your project benefits from a completely harmonised design concept throughout all spaces, complete with patterns that cross over into all collections. Explore and install the full solution!

Wetroom Concept

For a watertight design solution
 (Floor: 89 colour options
 Wall: 77 colour options)

ProtectWALL

For maximum impact,
 stain & scratch resistance
 (50 colour options)

Tapiflex Stairs

For increased safety
 (22 colour options)

NEW Platinum

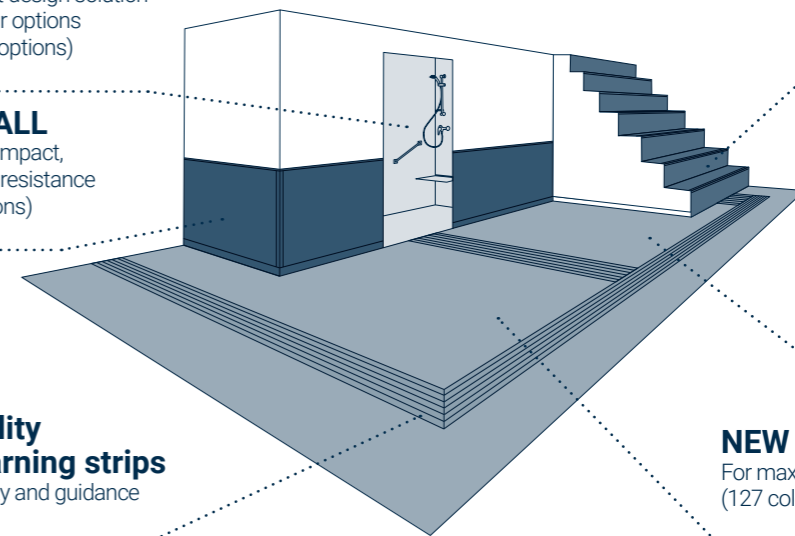
For the ideal heavy
 traffic solution
 (72 colour options)

NEW Excellence

For maximum design possibilities
 (127 colour options)

Accessibility Tactile warning strips

To ensure safety and guidance



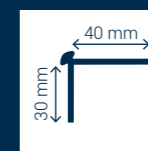
Accessories for a perfect finish

Optimize building orientation, navigation and safety with our dedicated accessories range.



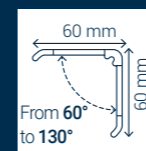
CAPS

Provides a perfect finish and protects the edge of the wall covering.



SET-IN CORNERS

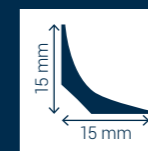
Protects the outside corner when angle is not covered.



SET-ON CORNERS

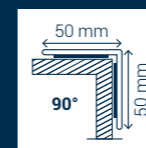
Covers and protects the outside corner.

Solid PVC adjustable.



COVE FORMERS

Improves hygiene inside wall corner for easy maintenance and used to form a cove where the floor is continued up to wall.



Solid PVC 90°

Please also ask for more information from your Tarkett rep.

PROTECTWALL

TISSAGE - LIGHT YELLOW - 055

UNI - BRIGHT YELLOW - 037

UNI - LIGHT YELLOW - 050

UNI - TISSE WHITE BLUE - 049

UNI - WHITE BLUE 049



EXCELLENCE

TISSAGE - SOFT YELLOW - 133

TISSAGE - SOFT LIGHT BLUE - 130

UNI - BRIGHT YELLOW - 930

SIMPLE STEPS TO RENOVATION-FREE WALLS

Follow Tarkett's tips and techniques to ensure that your ProtectWALL installation is impermeable, impenetrable and stays in good condition for years to come.

ROOM CONDITIONS AND REQUIREMENTS

Wall

- Apply to plaster, hardboard, plywood or fibreboard that is smooth, dry, clean, and sound.
- Fix board material firmly to avoid moving or warping.
- Moisture content of 8% (equivalent to 40% relative humidity at 20°C) for boards and similar substrates.
- For concrete and plaster, relative humidity level less than 85% (75% in the UK and Ireland according to BS 8203). Strongly bonded wall material, enough to support vinyl weight.
- Do not install on walls painted with oil paints.

Preparation and Pre-Installation

- Apply a primer to surfaces. Level off concrete and cement walls with a water-resistant filler or levelling compound for a smooth surface, sound for gluing.
- If using several rolls, check that manufacturing serial numbers are the same and use in consecutive order.
- Store rolls indoors 24-48 hours prior to installation. Material, adhesive and walls must be at 18°C and a relative humidity of at least 30-60%.

Installation

- Install at between 15 and 25°C. Substrate temperature at 15°C and relative humidity 35 to 65%. Maintain same conditions for at least 72 hours following installation.
- Cut sheets to the required length and lay them out to acclimatise and relax prior to installing. This is especially important for longer lengths.
- Sheets already have an approved adhesive applied to their backs. See the adhesive manufacturer's instructions regarding coverage, opening time, etc.
- Avoid colour differences when installing. Reverse sheets when possible, overlap and cut edges if needed.
- Install ProtectWALL horizontally (2m or 1m width) and vertically.
- ProtectWALL is flexible enough to pass inside and outside corners without interruption.

Hot Welding

- Wait at least 24 hours after installing.
- Hot weld sheets together and the junction between ProtectWALL and covered flooring, using 4mmPVC welding rod. Groove 2/3 of the compact layer and weld with a hot speed nozzle.
- Trim the welding rod immediately and after 5 minutes with a Mozart knife.

After Installation

- Clean the working area of all adhesive marks, stains and dust.
- Open the area to normal traffic after 48 hours, and move furniture after 72 hours.

Consult documentation online for more exhaustive information about transporting, preparing and installing ProtectWALL. Customised training for all aspects of installation and finishing is also available. You may also contact your Tarkett representative.

Tarkett accepts no liability for adhesives and levelling compounds used, including those recommended.

A METHODOICAL APPROACH TO CLEANING

Tarkett's PUR surface treatment facilitates cleaning and decreases the need for water and solvents, reducing environmental impact. Regular and attentive cleaning maintains flooring in between periodic deep-clean buffing sessions.

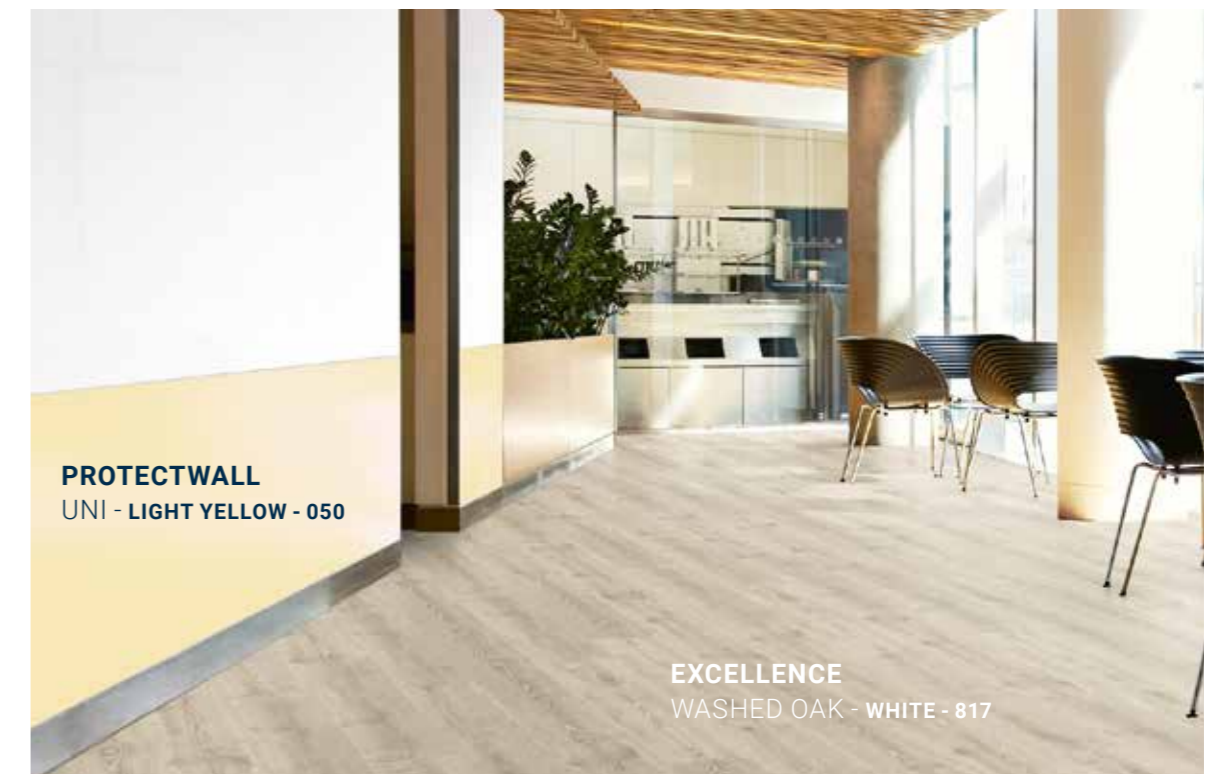
MAINTENANCE

Daily maintenance

- Clean with a damp cloth or sponge using a neutral detergent (pH 6/8) as recommended by the manufacturer.

Periodic maintenance

- Wet brush (soft bristle brush) with diluted alkaline detergent (pH 8/10). Always follow the detergent manufacturer's instructions.
- Disinfectants, degreasing and/or descaling agents may sometimes be required.



ProtectWALL TENDER SPECIFICATION

ProtectWALL 1.5

The selected wall covering similar to ProtectWALL 1.5 belongs to the wall covering category under the ISO standard 15102, available in 2m wide sheet. It is designed to be a permanent wall covering.

The product formulation **does not contain phthalate based plasticizer**. It is built on a calendared backing layer made of recycled vinyl flooring material. It contains over 10% of recycled material.

It has **B-s2,d0 fire classification** under EN standard 13501-1.

The wear layer of 0.35mm is reinforced with a UV photo crosslinked polyurethane including particles of alumina TopClean XP™ treatment, which permanently suppresses any wax and regenerating polish spray maintenance operations. It is classified as super washable and brushable under EN 12596 criteria. It offers the level **Not affected (0) for stain & chemical resistance** under the ISO standard 26987.

It is **resistant to impact according to EN 259-2** standard to protect the wall against the shocks of medical beds, trolleys or other heavy equipment (motorized or not). It is suited for use in corridors, patient rooms and other areas of hospitals, care institutions, education buildings, stores and storage areas.

It offers a **dimensional stability ≤1% lengthwise** according to EN ISO 23999 standard. It is hot welded with 4mm welding rods for better hygiene and perfect water-tightness, offering a **seam strength >400N/50mm** under EN 684 standard.

Its emission rate of volatile organic compounds in air is very low, measured after 28 days according to EN 16516 standard. Close to zero emission (quantification limit), **TVOC, TSVOC and formaldehyde emissions are below than 10 µg/m³**.

It is free of formaldehyde and is 100% REACH compliant.

It is 100% recyclable and installation off-cuts can be collected and recycled in new products through the Tarkett ReStart® program.

ProtectWALL 1.5 comes with a **10 year Warranty**.

ProtectWALL CR

The selected wall covering similar to ProtectWALL CR belongs to the wall covering category under the ISO standard 15102, available in 2m wide sheet. It is designed to be a permanent wall covering.

The product formulation **does not contain phthalate based plasticizer**. It is built on a calendared backing layer made of recycled vinyl flooring material. It contains over 10% of recycled material.

It is suitable for usage in Clean Rooms and Laboratories, and is certified **ISO Class 1 for Contamination control** under EN standard 14644-1. It has **B-s3,d0 fire classification** under EN standard 13501-1.

The wear layer of 0.55mm is reinforced with a UV photo crosslinked polyurethane including particles of alumina TopClean XP™ treatment, which permanently suppresses any wax and regenerating polish spray maintenance operations. It is classified as super washable and brushable under EN 12596 criteria. It offers the level **Not affected (0 for stain & chemical resistance** under the ISO standard 26987.

It is **resistant to impact according to EN 259-2** standard to protect the wall against the shocks of medical beds, trolleys or other heavy equipment (motorized or not). It is suited for use in operating theatres, laboratories, corridors, patient rooms and other areas of hospitals, care institutions, education buildings, stores and storage areas.

It offers a **dimensional stability ≤1% lengthwise** according to EN ISO 23999 standard. It is hot welded with 4mm welding rods for better hygiene and perfect water-tightness, offering a **seam strength >400N/50mm** under EN 684 standard.

Its emission rate of volatile organic compounds in air is very low, measured after 28 days according to EN 16516 standard. Close to zero emission (quantification limit), **TVOC, TSVOC and formaldehyde emissions are below than 10 µg/m³**.

It is free of formaldehyde and is 100% REACH compliant.

It is 100% recyclable and installation off-cuts can be collected and recycled in new products through the Tarkett ReStart® program.

ProtectWALL CR comes with a **10 year Warranty**.

More excellent reasons to choose Tarkett Excellence

- ✓ 100% Phthalate Free
- ✓ No formaldehyde
- ✓ 100% recyclable
- ✓ Test reports and certificates available upon request
- ✓ Optimal indoor air quality
- ✓ TVOC ≤ 10 µg/m³ after 28 days
- ✓ FloorScore® certified
- ✓ ISO 14001 certified production site
- ✓ REACH Compliant and CE Marking

TECHNICAL DATA SHEET

SPECIFICATION DATA

The ProtectWALL range, available in 50 decors, is a smart wall solution designed to be a heavy duty wallcovering to protect walls against shocks and scratches in heavy traffic environments. The range is 100% phthalate-free and the VOC air emission rate is very low; less than 10µg/m³. The range includes a 1.5mm version and a 2CR version designed for Clean Rooms and classified ISO Class 1 (EN 14644-1), both with a 10 year warranty.

TECHNICAL DATA	STANDARD	PROTECTWALL 1.5	PROTECTWALL CR (Clean Room)
CLASSIFICATION			
Classification	EN 259-1 EN 14644-1	Heavy duty wall covering - -	Heavy duty wall covering ISO class 1 GMP class A
TECHNICAL CHARACTERISTICS			
Total thickness	EN ISO 24346	1.50 mm	1.50 mm
Total weight	EN ISO 23997	2400 g/m²	3000 g/m²
Wear layer thickness	EN ISO 24340	0.15 mm	0.15 mm
Form of delivery	EN ISO 24341 (rolls)	20 running metres x 200 cm (40m²)	20 running metres x 200 cm (40m²)
PERFORMANCES FOR CE MARKING REQUIREMENTS (EN 15102)			
Declaration of Performance	EN 15102	0132-0065-DoP-2016-07	0131-0051-DoP-2013-07
Reaction to fire	AS / NZ 3837	Class 1	Class 3
Electrostatic properties	EN 1815	≤ 2 kV	≤ 2 kV
TECHNICAL PERFORMANCES			
Dimensional stability	ISO 23999 - EN 434	≤ 1% lengthwise	≤ 1% lengthwise
Curl resultant to heat	ISO 23999 - EN 434	≤ 2 mm	≤ 2 mm
Light fastness	EN ISO 105-B02	≥ 6	≥ 6
Resistance to impacts	EN 259-2	Resistant to impacts No visible burst nor crack	Resistant to impacts No visible burst nor crack
Scratch resistance		Sclerometer test: Excellent No visible scratch	Sclerometer test: Excellent No visible scratch
Spongeability washability Lyability brushability	EN 12956	Super washable and brushable	Super washable and brushable
Scuff resistance		Excellent No visible mark after cleaning	Excellent No visible mark after cleaning
Determination of Flexibility	ISO 24344 - EN 435	No damage, no crack	No damage, no crack
Determination of seam strength	EN 684	> 250 N/50 mm	> 400 N/50 mm
Hardness Shore A	ISO 868	92	94
Stain resistance Chemical resistance	ISO 26987 - EN 423	Not affected (0)	Not affected (0)
Contamination control	EN 14644-1	-	ISO Class 1 /GMP class A
Ease of decontamination	ISO 8690	-	Good
ENVIRONMENTAL PERFORMANCES			
Total VOC emissions	ISO 16000-9	≤ 10 µg/m³ (after 28 days)	≤ 10 µg/m³ (after 28 days)
COLOURS			
		20	3

The above information is subject to modification for the benefit of further improvement. (01/18).

According to the European Regulation N° 305/2011 for CE Marking, the Declarations of Performance are available on our website www.tarkett.com

CUSTOMS TARIFF : 4820 5000 00

Tarkett's instructions regarding installation, cleaning and maintenance should be observed. Please contact Tarkett at the address shown for these instructions.



Disclaimer: Please note that products in photos are installed for creative purposes and not according to technical specifications. Please refer to Tarkett installation instructions for guidance.

