

Vinyl sheet flooring offering better comfort and peace of mind for medical and welfare facilities

## MEDIWEL / DEODORANT-WELCLEAN

Ensuring better comfort and peace of mind for guests and visitors

Vinyl sheet flooring for better comfort and peace of mind from the ground up, for users of medical, welfare, nursing and similar facilities.

In addition to being hygienic, safe and durable, MEDIWEL is available in many soothing designs that make it excellent for use in medical facilities. DEODORANT-WELCLEAN, meanwhile, offers the same ease of maintenance as other no-wax sheet flooring but with the addition of deodorization. MEDIWEL and DEODORANT-WELCLEAN are recommended for facilities where extra care is needed.




Stain Resistant

Special Antibacterial Mat UV Coating is resistant to staining and easier to clean

- MEDIWEL
- DEODORANT-WELCLEAN


Stain adhesion

MEDIWEL



After soiling    After wiping with water

DEODORANT-WELCLEAN



After soiling    After wiping with water

Includes special antibacterial mat UV coating

- MEDIWEL
- DEODORANT-WELCLEAN

Antibacterial

Safe

Shock absorbent and slip resistant.

- MEDIWEL

Thoroughly hygienic while also helping combat odor

- DEODORANT-WELCLEAN

Deodorizing

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No-wax maintenance flooring is now the standard—NO WAX Plus brings added value to no-wax flooring.



MEDIWEL and DEODORANT-WELCLEAN are no-wax products.

No-wax flooring is increasingly popular. NO WAX Plus offers a range of added value in no-wax maintenance flooring such as extensive product lineups, advanced functionality and extra services.

### Plus antibacterial performance

#### Helps create more hygienic spaces

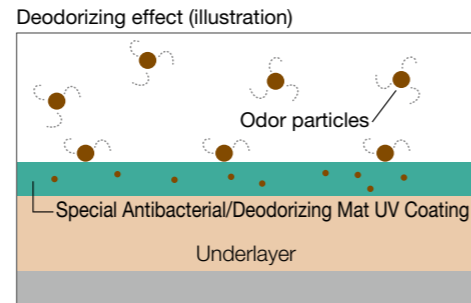
The UV coated surface is also antibacterial. This helps create spaces that are not only clean in appearance but also more hygienic. This added value is particularly important in places where extra care is needed, such as medical, welfare and nursing facilities.



### Plus deodorant performance

#### Flooring directly absorbs and neutralizes odors

The special UV coating eliminates odors through chemical adsorption. Because this flooring naturally deodorizes, it helps reduce daily cleaning and odor removal for areas where extra care is needed, such as around toilets, kitchens and baths.



\* This feature only applies to DEODORANT-WELCLEAN.

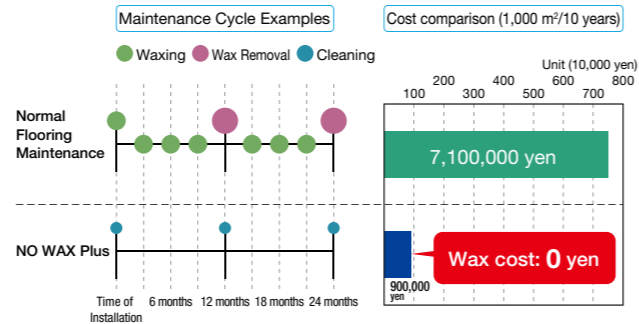
### Plus reduced cost

#### Reduces labor and costs of facility management while also contributing to CASBEE certification

No-wax maintenance provides a range of benefits for customers. For instance, no-wax flooring greatly reduces the labor and costs associated with wax flooring.

No-wax flooring also contributes toward CASBEE certification, qualifying under section Q2 (Quality of Service), 1.3 (Maintenance Management) of assessments.

#### Examples of maintenance cycles for normal flooring versus NO WAX Plus



### Maintenance of NO WAX Plus

NO WAX Plus series flooring remains beautiful without waxing. However, regular cleaning is still important. Please clean this flooring regularly as described to the right.

#### ① Floor Mat Placement

Earth and sand brought in from outside will damage the coating layer on the surface of flooring. Therefore, please place a floor mat at the entrance to prevent earth and sand from being brought inside.



#### ② Dust and Dirt Removal

Please remove dirt on the floor and dust that has accumulated.

#### ③ Stain Removal

Please remove any stains on the flooring using a cloth or mop that has been soaked in water and tightly squeezed. Large areas can be cleaned effectively using a floor polisher or similar device. When using a floor polisher, please use a red pad. Using a blue or darker pad will damage the coating layer on the surface of flooring, causing the floor to stain more easily.



The added value of NO WAX + shines in a variety of applications



Serviced housing/living facilities for the elderly

- General hospitals
- Clinics
- Serviced housing for the elderly
- Schools
- etc.



Clinics/hallways



Paediatric wards/waiting rooms



Schools/multi-purpose spaces



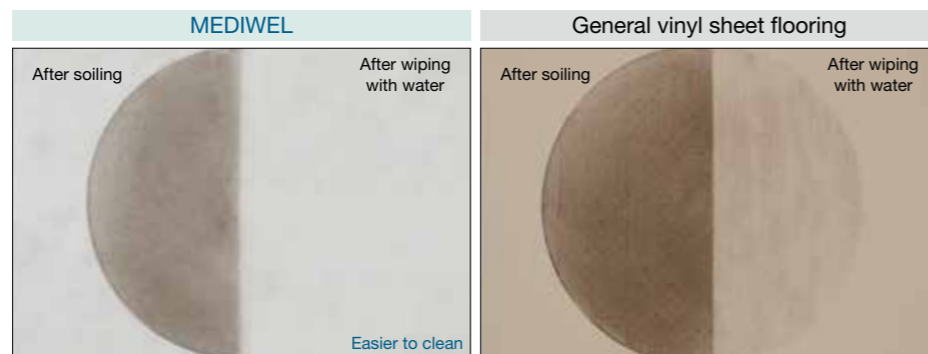
# MEDIWEL features

A wide range of technically tested and demonstrated features provide solutions for a variety of settings

## Stain Resistant

Reduces maintenance while maintaining a beautiful appearance

### Resists stain (dust, grime, etc.) adhesion



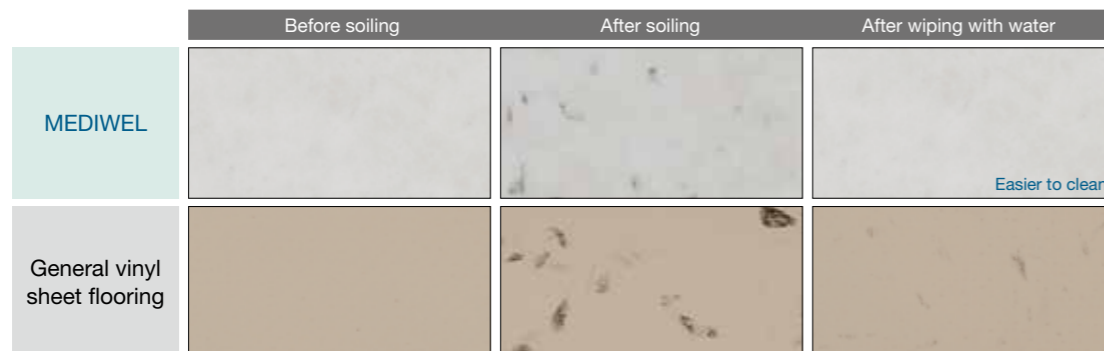
Stain testing (overview)

#### Testing method (in-house testing)

A standardized substance was applied to the surface of flooring, flooring was wiped with a damp cloth after drying, and the level of remaining staining was observed.

\* Standardized substance as defined by the Japan Testing Center for Construction Materials (JSTM J 7602:2003).

### Resists scuff marks



Drum-based scuff mark testing (overview)

#### JIS K 3920 scuff mark resistance

The inside of a hexagonal drum was lined with the samples to be tested, pieces of black rubber were inserted into the drum, and the drum was rotated to apply scuff marks to the samples.

Surfaces were wiped with a damp, non-woven cloth and the remaining staining was observed.

Stain-resistant flooring is perfect for places where large numbers of people travel in and out every day

In public buildings, such as medical and welfare facilities, large numbers of people travel in and out every day, often tracking in dirt from outside and leaving scuff marks from the heels of their shoes.

Dirt can often get stuck to the floor in such places and become difficult to clean off. Using stain-resistant flooring in these places can ease maintenance and keep floors looking beautiful for longer. MEDIWEL's special antibacterial mat surface coating resists staining, such as from dust, grime and scuff marks, and is easier to clean if stains do appear. As a no-wax flooring it also reduces maintenance labor and costs.

## Chemical Resistance

Excellent chemical resistance for medical facilities and other places where pharmaceuticals and chemicals are in use

When chemicals are spilled in places such as medical, welfare and nursing facilities or school infirmaries they can seep into the floor. Using chemical resistant flooring in such spaces can help protect the floor from staining and deterioration. Chemicals should still be wiped up immediately.

### Changes in color or gloss due to chemicals

Category	Chemical	Density (%)	MEDIWEL		General vinyl sheet flooring	
			Color	Gloss	Color	Gloss
Inorganic acid	Sulfuric acid	50	A	A	A	A
	Nitric acid	61	D	A	C	B
	Hydrochloric acid	37	A	A	C	B
Organic acid	Acetic acid	99	A	B	C	C
	Citric acid (57.1%)	Saturation	A	A	A	A
Alkali	Aqueous ammonia	28	A	A	A	A
	Sodium hydroxide	30	B	C	A	B
Saline	Potassium permanganate	7.5	D	A	D	A
Organic solvents	Methyl ethyl ketone	-	A	A	A	B
	Tetrahydrofuran	-	A	A	A	C
Disinfectants	Formalin	-	A	A	A	A
	Isodine (povidone iodine)	-	C	A	C	A
	Cresol soap	-	C	B	B	B
	Oxydol (hydrogen peroxide solution)	-	A	A	A	A
	Hematoxylin mordant	-	C	A	C	A
	Hibitane (chlorhexidine gluconate)	-	A	A	A	A
	Disinfectant ethanol	80	A	A	A	B
	Neutral detergent	-	A	A	A	A
	Oxygen bleach	-	A	A	A	A
	Purelox (sodium hypochlorite)	-	A	A	A	B
Osvan (benzalkonium chloride)	-	A	A	A	B	

#### Testing method

##### Test overview

JIS A 1454 standards

##### Testing method

2 ml of the test reagent were applied to the surface of the flooring and were covered by a watch glass after spreading. The spots were left for 24 hours, after which the surface was wiped clean. Once dry, the area was observed for changes in color, etc. \* Degree of change may differ depending upon the color tone of the flooring. Testing was performed on relatively lighter floors. In cases where a slight change ('B') was apparent, a similar change might be less apparent on darker floors.

\* For listed chemicals that contain dyes, etc., coloration may also occur.

##### Evaluation standards

A: No change B: A slight change is apparent



C: A change is apparent D: A significant change is apparent



## Antibacterial

Provides peace of mind in locations where infection prevention is paramount

### Antibacterial performance

Bacteria 1	Bacteria 2	Bacteria 3
Effective	Effective	Effective

Preventing the spread of infection is very important in facilities where many ill persons, elderly or children are found.

\* Specific names of bacteria are not listed, in accordance with the Act on Securing Quality, Efficacy and Safety of Products Including Pharmaceuticals and Medical Devices.

#### Testing method

##### Antibacterial testing (overview)

JIS Z 2801 antibacterial product testing and effectiveness standards

##### Testing method

A bacterial solution was introduced to the testing surface and covered with a film to ensure uniform contact. After 24 hours the amount of viable bacteria was measured. Antibacterial performance was evaluated by calculating antibacterial activity from the viable count of the film specimen (B) and the viable count of treated product (C).

Antibacterial activity=log(B/C)

Products with an antibacterial activity of 2.0 or greater were deemed as being "effective."

## Dynamic Load Resistance

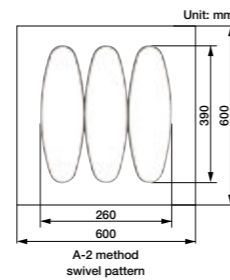
Resists swelling and distortion from repeated movement of castor wheels over flooring, etc.

Gurneys and medical equipment tend to be wheeled through the same spaces repeatedly every day, and wheels can catch on flooring as they turn corners. This can even lead to swelling or damage to the floors. Flooring with strong load resistance can help prevent this and keep floors looking beautiful.

### Castor wheel resistance testing

Flooring	Thickness (mm)	Adhesive	Time until occurrence			Condition
			1h	2h	3h	
MEDIWEL	2.0	Cement EP20	■			Swelling
General vinyl sheet flooring	2.0	Cement EP20	■	■		Swelling

\* Figures are as measured and are not a guarantee.

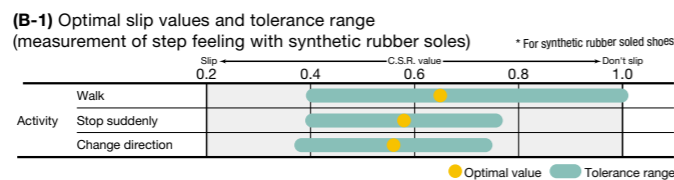


**Testing method**  
**Test overview**  
 JIS A 1454 (A-2 method)  
 Castor wheel resistance testing  
**Testing method**  
 Castor wheel resistance was tested using the A-2 method (2,000 N load). 'A method' involves moving in a swivel pattern as shown in the illustration.

## Slip Resistance

Appropriate slip resistance helps improve safety

### Optimal slip values and tolerance levels (measurement of step feeling in footwear)

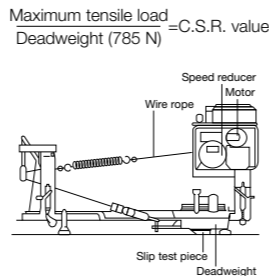


**(B-2) B-2 Slip measurements (synthetic rubber soles)**

Flooring	Thickness (mm)	With water and dust present on surface	Clean surface
MEDIWEL	2.0	0.43	0.80
Deodorant Welclean	2.0	0.43	0.71

\* Figures are as measured and are not a guarantee.

**Testing method**  
**Test overview**  
 JIS A 1454 polymer flooring test method slip testing standards  
**Testing method**  
 Using a O-Y-PSM test device, a slip test piece was affixed to the bottom of the platform and, after applying a deadweight of 80 kg for a predetermined amount of time, a tensile load of 785 N/second was applied while lifting diagonally upward at an angle of 18°. C.S.R. (Coefficient of Slip Resistance) was calculated as the maximum tensile load divided by observed load.

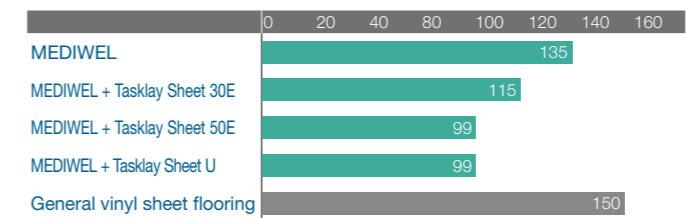


\* The deadweight (785 N) represents the force applied from a single leg by a 60 kg person when walking hurriedly.  
 ◆ Water and dust: A 20/9/1 mixture of tap water, type 1 dust for testing purposes and type 7 dust for testing purposes, sprayed at a density of 400 g/m<sup>2</sup>. (Dust adheres to JIS Z 8901 standards).

## Shock Absorption

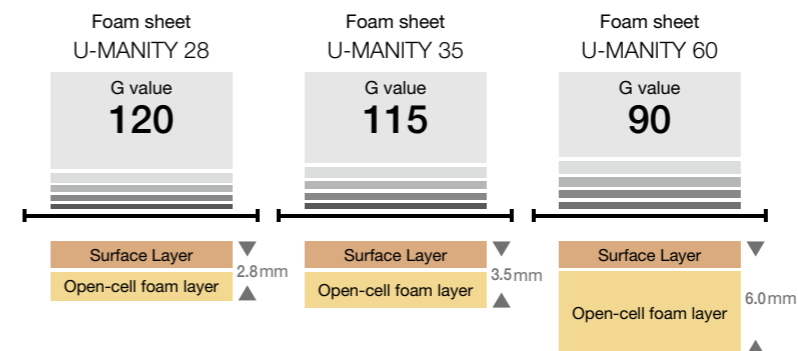
Reducing impact from falls can help ensure safety for users

### Impact acceleration (G value)



### For even greater shock absorption, U-MANITY with open-cell foam layer is recommended

Comparison of G values for Tajima vinyl sheet floorings



With U-MANITY thickness is selectable on a sheet-by-sheet basis

U-MANITY has a wide range of features, and includes an open-cell foam layer with an excellent cushioning effect, which is perfect for locations where extra safety is needed (to protect from falls, reduce stress when kneeling, etc.). U-MANITY is available in 2.8, 3.5 and 6.0 mm thickness, and each option can be combined with other desired features. U-MANITY is one of many high-performance flooring options available to suit your needs, including MEDIWEL for areas where castor wheel mobility is needed, U-MANITY for areas where safety comes first and Tasklay System for areas where shock absorption is most important.

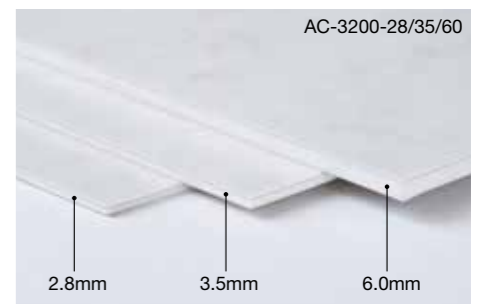
It's important to choose the right flooring for the right place, such as impact absorbing flooring where falls could occur

Older adults can sometimes begin to lose stamina and athleticism as they age. This loss of strength often begins in the legs, and some older people may begin to drag their feet as they walk. As a result, even slight unevenness in a floor can lead to stumbling and possibly even a fall or broken bones.

When considering the safety of guest and visitors in public facilities, it is important to not only create barrier-free spaces but also to ensure good shock absorption for floors in the event of a fall.

The shock absorption of a floor is expressed as its G value (impact acceleration at the time of a fall). A lower G value indicates a safer floor, however floors with lower G values also tend to be thicker, softer and can interfere with the movement of castor wheels.

Whether for safety or mobility, it is important to choose the right floor for the right place so as to ensure both safety and convenience for a facility's users.



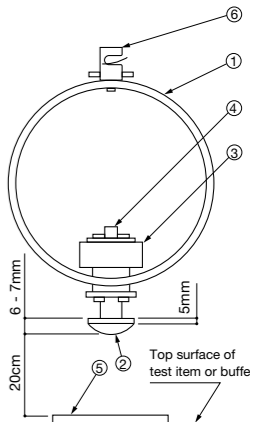
Where extra shock absorption is needed, consider using Tajima U-MANITY vinyl sheet flooring, which is available in 2.8, 3.5 and 6.0 mm thickness and includes a foam layer.

### Testing method

**Test overview**  
 JIS A 6519 floor hardness test method standards.

**Testing method**  
 A 3.85 kg model of a head containing an accelerometer was allowed to fall freely from a height of 20 cm onto a rubber plate laid over the flooring at a designated point. The maximum acceleration upon impact was measured to determine the hardness (G) at the time of fall and impact.

**Floor hardness measurement device**



- | Number | Item   |
|--------|--|
| ①      | Steel frame<br>(Outer diameter: 216.3 mm, thickness: 8.2 mm, width: 40 mm)     |
| ②      | Steel head<br>(Curvature radius: 25 mm, diameter: 50 mm)                       |
| ③      | Weight (1.34 kg)   |
| ④      | Accelerometer  |
| ⑤      | Rubber plate<br>(Thickness: 8 mm, shore A hardness: 37, size: 300 mm x 150 mm) |
| ⑥      | Suspension hook  |

\* Figures are as measured and are not a guarantee.





ME-4018



ME-4036

OAK

Board width  
Approx. 12 cm

Color Number  
ME-4005  
ME-4006  
ME-4007

Board width  
Approx. 15 cm

Color Number  
ME-4018  
ME-4019  
ME-4020

CHERRY

Board width approx. 12 cm

Color Number  
ME-4036  
ME-4037

MAPLE

Board width approx. 6.5 cm

Color Number  
ME-4025  
ME-4026

WALNUT

Board width approx. 12 cm

Color Number  
ME-4040  
ME-4041  
ME-4043



ME-4025



ME-4040





ME-4075

**ELM**

Board width approx. 10 cm

Color Number  
ME-4075  
ME-4076

**BEACH**

Board width approx. 6.3 cm

Color Number  
ME-4086  
ME-4087



ME-4086



ME-4215/4226/4227/4231

**LINOLEUM PATTERN**

Color Number

ME-4200	ME-4213	ME-4223	ME-4233
ME-4201	ME-4214	ME-4226	ME-4234
ME-4202	ME-4215	ME-4227	ME-4238
ME-4203	ME-4216	ME-4228	ME-4239
ME-4204	ME-4217	ME-4229	
ME-4211	ME-4218	ME-4231	
ME-4212	ME-4222	ME-4232	

**FABRIC PATTERN**

Color Number

ME-4251	ME-4256	ME-4261	ME-4266
ME-4252	ME-4257	ME-4262	ME-4269
ME-4253	ME-4258	ME-4263	ME-4270
ME-4254	ME-4260	ME-4265	

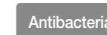
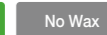


ME-4251

# MEDIWEL COLOR VARIATIONS

A rich variation of designs, with 6 wood patterns in 17 different colors and 2 abstract designs in 40 different colors.  
A full lineup to suit all spaces.

\* Color of images may differ from actual products. Please reference actual cut samples before making a final decision.



\* Color of images may differ from actual products. Please reference actual cut samples before making a final decision.



Price/ Dimensions	Price (material price) / Dimensions	Installation Method	Installation Method	Subfloor	Adhesive
			2.0mm (thickness) × 1,820mm (width) × 9m	General Installation	Cement Mortar
			Water resistant Installation	Concrete	Cement U/ Cement EP20
	Material Classification		Heterogeneous vinyl floor sheet on foam HS		
	Number of Colors		57		
	Packing		9m/roll		
	Weight		46.3kg/roll		

\* Prices listed do not include consumption tax.

**Application** Building: Medical facilities, welfare facilities, nursing facilities, educational facilities, public facilities, etc. Area of use: Living rooms, hallways, classrooms, bathrooms, etc.



Product number/chart number															
ME-4005	1	ME-4036	19	ME-4087	10	ME-4213	17	ME-4226	29	ME-4238	48	ME-4258	38	ME-4270	57
ME-4006	7	ME-4037	24	ME-4200	5	ME-4214	22	ME-4227	35	ME-4239	54	ME-4260	44		
ME-4007	13	ME-4040	3	ME-4201	11	ME-4215	27	ME-4228	41	ME-4251	31	ME-4261	50		
ME-4018	18	ME-4041	9	ME-4202	16	ME-4216	28	ME-4229	47	ME-4252	37	ME-4262	56		
ME-4019	23	ME-4043	15	ME-4203	21	ME-4217	34	ME-4231	53	ME-4253	43	ME-4263	53		
ME-4020	2	ME-4075	20	ME-4204	26	ME-4218	40	ME-4232	30	ME-4254	49	ME-4265	39		
ME-4025	8	ME-4076	25	ME-4211	6	ME-4222	46	ME-4233	36	ME-4256	55	ME-4266	45		
ME-4026	14	ME-4086	4	ME-4212	12	ME-4223	52	ME-4234	42	ME-4257	32	ME-4269	51		



# Treating odor by the floor function

## DEODORANT-WELCLEAN

### Addressing odors with functional flooring

Naturally we strive to make medical, welfare, nursing and educational facilities comfortable, not only for guests and visitors but also for those who work inside. Handling odors in such places can be particularly important.

In addition to daily cleaning and disinfection, for instance, deodorizing vinyl sheet flooring can help address troublesome odors directly.

Deodorizing flooring is an excellent choice around toilets, baths and kitchens, as well as for linen closets or any other space you wish to make more pleasant.

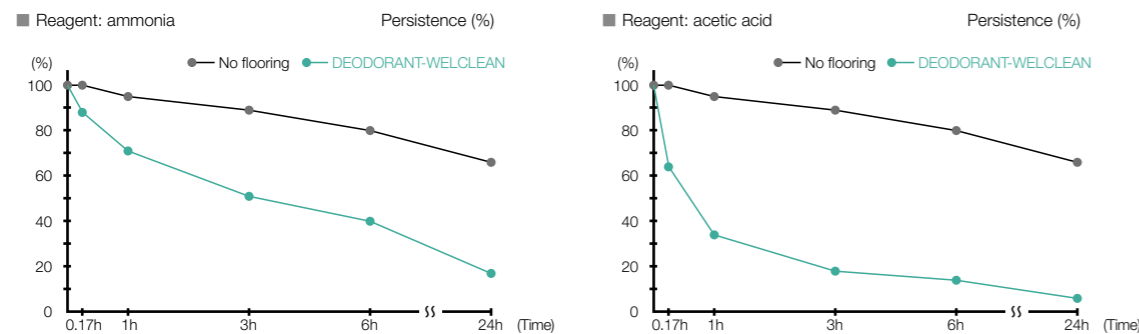


Flooring with built-in deodorant function performs best in spaces where extra care is need to address odors, such as around toilets, baths and kitchens.



SW-8187S

### Deodorizing effect of DEODORANT-WELCLEAN



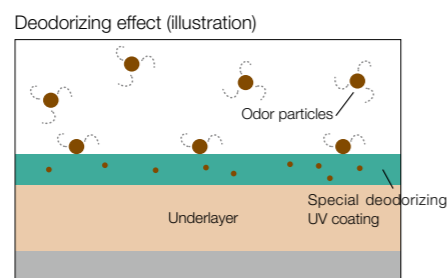
A clear deodorizing effect was shown against reagents such as ammonia (representing urine odors) and acetic acid (representing body odors). Excellent for addressing odors in a variety of settings.

Test provider: Japan Food Research Laboratories  
Deodorant/gas removal effectiveness testing  
Test report issued: February 13, 2019  
Test report number: Dai 19007 157001-0101

### Deodorizing mechanism

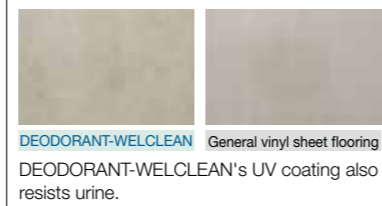
#### Flooring effectively captures odor particles

DEODORANT-WELCLEAN's special UV coating deodorizes by capturing odor particles through chemical adsorption. Simply installing the flooring in a room helps combat unpleasant odors by capturing the offending particles that cause such odors.



Flooring directly absorbs odors, creating more pleasant spaces.

#### Urine resistant



DEODORANT-WELCLEAN General vinyl sheet flooring  
DEODORANT-WELCLEAN's UV coating also resists urine.

\* For details on test data and testing methods, enquire with any Tajima branch or distributor.



SW-4229S



# DEODORANT-WELCLEAN COLOR VARIATIONS

Available in three warm, wood pattern colors as well as 11 abstract design colors suited for any space.



\* Color of images may differ from actual products. Please reference actual cut samples before making a final decision.

■ Price/ Dimensions	Price (material price) / Dimensions	2.0mm (thickness) × 1,820mm (width) × 9m
	Material Classification	Heterogeneous Vinyl Floor Sheet FS
	Number of Colors	14
	Packing	9m/roll
	Weight	53.8kg/roll

\* Prices listed do not include consumption tax.

■ Installation Method	Installation Method	Subfloor	Adhesive
	General Installation	Cement Mortar Concrete	Cement AK-S
	Water resistant Installation		Cement U/Cement EP20

\* Please weld the seams together with designated welding rod.

■ Application Building: Medical facilities, welfare facilities, nursing facilities, educational facilities, public facilities, etc.  
Area of use: Living rooms, hallways, classrooms, bathrooms, etc.

■ Product number/chart number

SW-4067S	2	SW-4310S	9	SW-8197S	7	SW-8529S	12	SW-8930S	5
SW-4079S	14	SW-8177S	13	SW-8217S	11	SW-8579S	8	SW-8937S	10
SW-4229S	4	SW-8187S	3	SW-8320S	1	SW-8657S	6		



SW-8320S