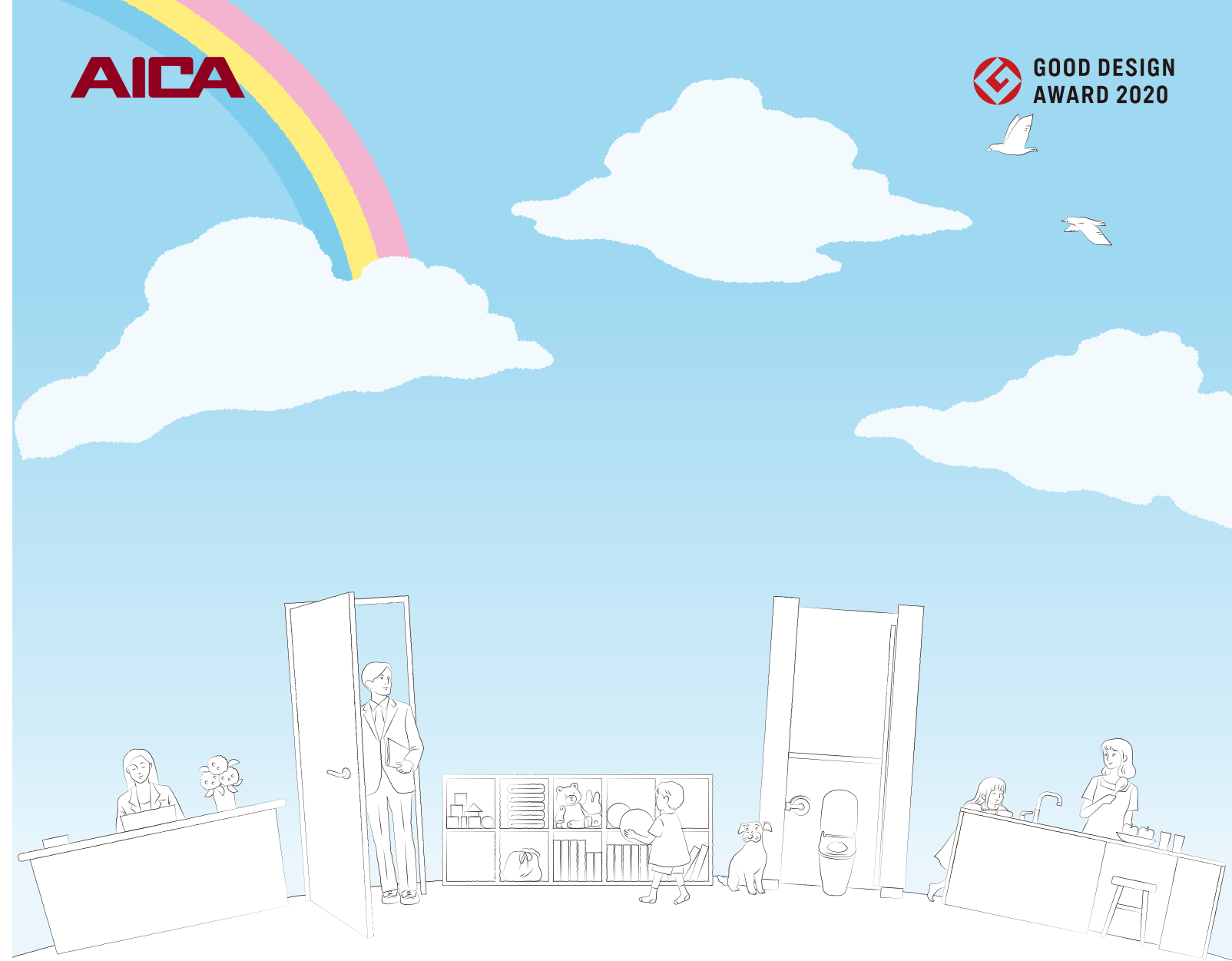


**AICA**

**GOOD DESIGN  
AWARD 2020**



## COMPANY INFORMATION (For any inquiries please contact us)

### PT AICA INDONESIA

- **Bekasi Factory (Head Office)**  
Jl.Ir. H. Juanda No. 318, Margahayu,  
Bekasi, Jawa Barat 17113  
Phone: +6221 880 1391  
Fax: +6221 880 2807
- **Marketing Office**  
Gedung Pakarti Centre, 8<sup>th</sup> Floor  
Jl. Tanah Abang III No.23,25,27,  
Jakarta Pusat, DKI Jakarta 10160  
Phone: +6221 3890 1941 / 42  
Fax: +6221 3890 1943  
Email : info@aica.co.id

### PT Marga Bharata

- **Sole Distributor**  
JL Pangeran Jayakarta, No. 101/A2  
Sawah Besar, Jakarta Pusat  
DKI Jakarta 10730  
Phone: +62216019838  
Fax: +62216295312  
Email: info@margabharata.com

🌐 [www.aica.co.id](http://www.aica.co.id)  
📷 [aica.id](https://www.instagram.com/aica.id)  
📘 [aica.id](https://www.facebook.com/aica.id)  
📺 AICA Indonesia Official

Anti-Virus &  
Anti-Bacteria

# Virutect

HPL(High Pressure Laminates)



# WHY Virutect?

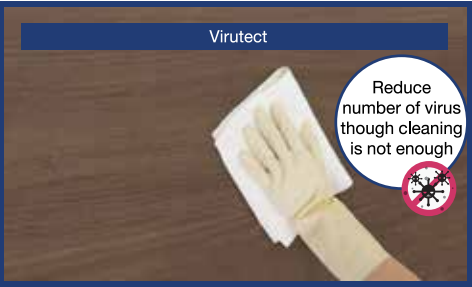
AICA would like to propose “Virutect” for your facility to reduce the number of viruses on surfaces using the building materials.

Do you know the risk of virus and bacteria ?



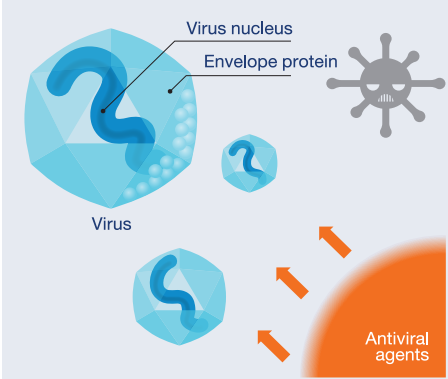
- Spread of disease in building
- Lost of trust from clients and staff
- Decrease of clients
- Society distrust
- Unsanitary building interiors

### Strong point

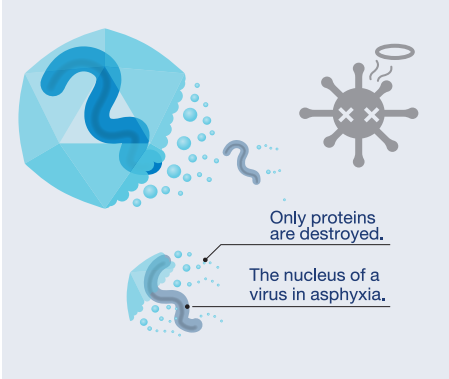


Virutect is the interior building material that has antiviral performance.

### Mechanism

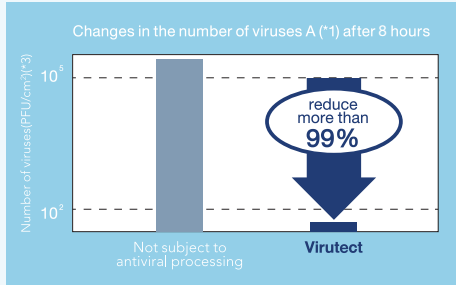


Virus has a basic structure consisting of a protein membrane and the nucleic acid.



Virus whose protein in envelope is destroyed will be inhibited from synthesizing protein and finally die.

### Result of anti-virus test



(\*1) : Because specific virus names cannot be shown for reasons related to the Pharmaceutical and Medical Devices Act of Japan on Securing Quality, Efficacy and Safety of Products including Pharmaceutical and Medical Devices, the virus is shown as Virus A

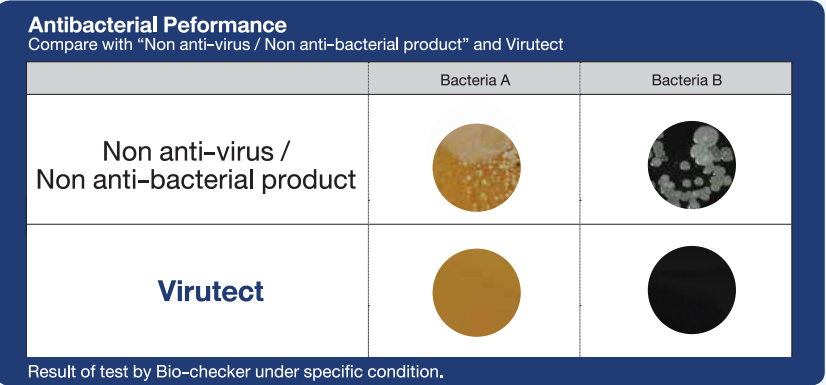
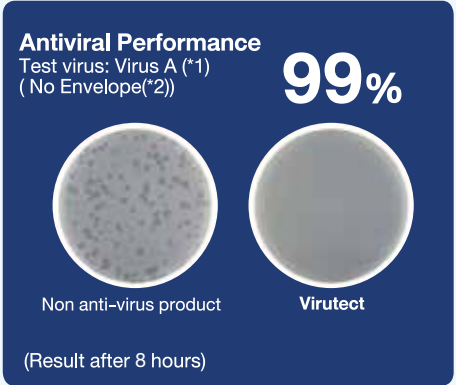
(\*2) : Regarding membranous structure found in virus particles, it is said that if there is no envelop, resistance to disinfectants such as alcohol is stronger than having an envelope

(\*3) : PFU ( Plaque-Forming Unit ) Virus count index measured by plaque assay

**Test laboratory** : Kanagawa Institute of Industrial science and technology

**Test Method** : ISO 18071 : 2016 (referenced partially)


**Test Virus** : Virus A(\*1) (No Envelope(\*2))



## Virutect Series Index

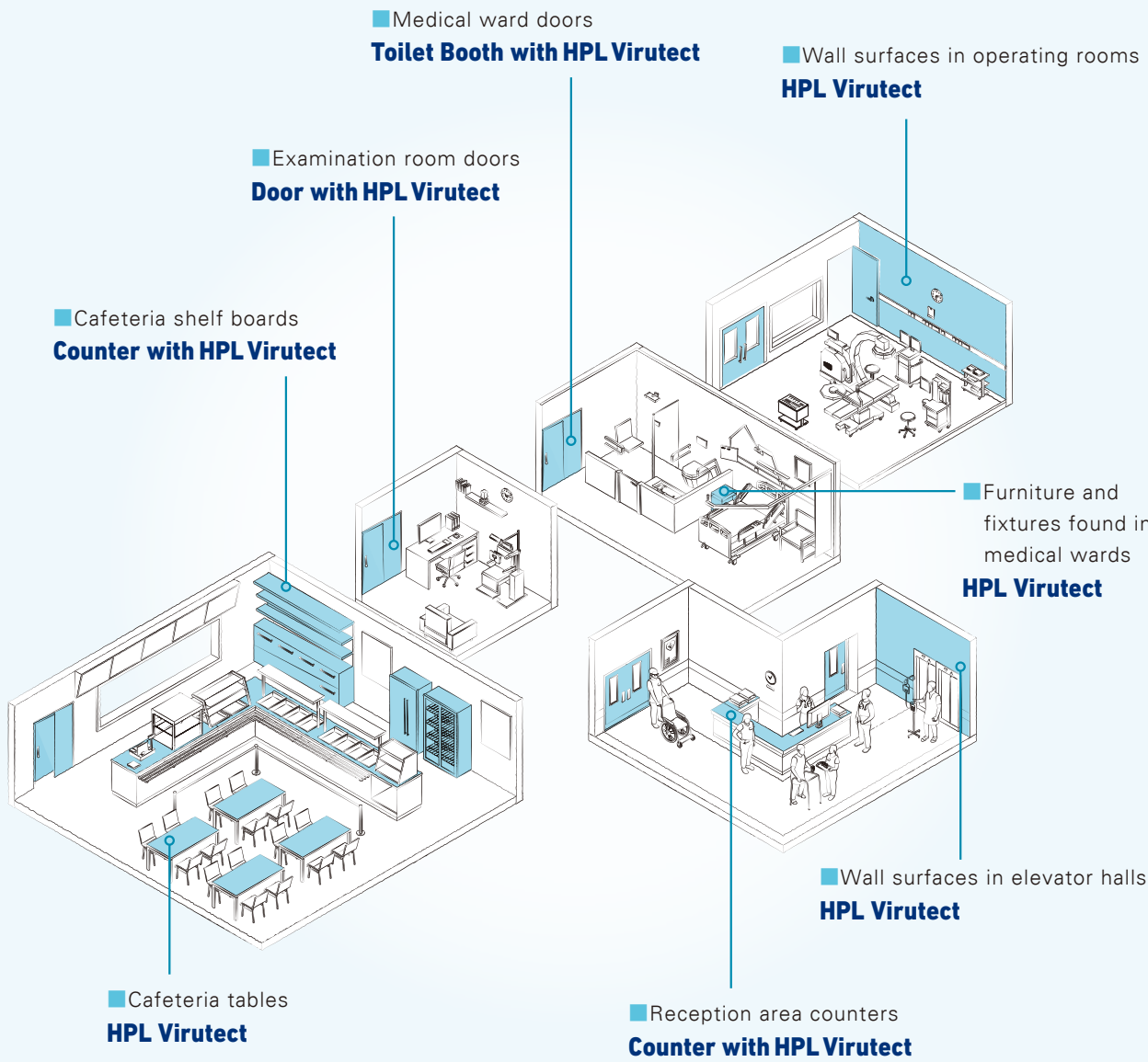
Virutect products can be utilized in conformity with all sorts of building uses and sites.



		Virutect Series	Example of HPL Virutect Deployed for Building Materials		
		High pressure laminates	Toilet Booth	Door	Counter
		HPL Virutect	Toilet Booth with HPL Virutect	Door with HPL Virutect	Counter with HPL Virutect
Types of buildings and specific areas of usage	 Hospitals, Nursing home, and Nursing care facilities	Reception areas	●	—	●
		Toilet areas	●	●	●
		Medical wards and living spaces	—	●	●
		Examination rooms	—	●	●
		Cafeterias	—	●	●
	 Childcare and educational facilities	Classrooms	—	—	●
		Cafeterias	—	—	●
		Toilet areas	●	—	●
	 Shopping malls, Restaurants, and Retail shops	Customer seating	—	—	●
		Toilet areas	●	—	●
		Kitchens	—	—	—
	 Hotels	Reception areas	—	●	●
		Rooms	—	●	●
		Kitchens	—	—	—
	 Offices	Reception areas	—	●	●
		Conference rooms	—	●	●
		Working spaces	—	—	●
		Toilet areas	●	—	—
	 Transportation-related facilities (Stations, airports, and harbors)	Service windows	—	—	●
		Passageways	—	—	—
		Toilet areas	●	●	●
		Customs post	—	—	●
	 Homes	Front foyer areas	—	●	●
		Living rooms	—	●	—
		Washrooms and dressing rooms	—	●	●
		Kitchens	—	●	●
		Toilet areas	●	●	●

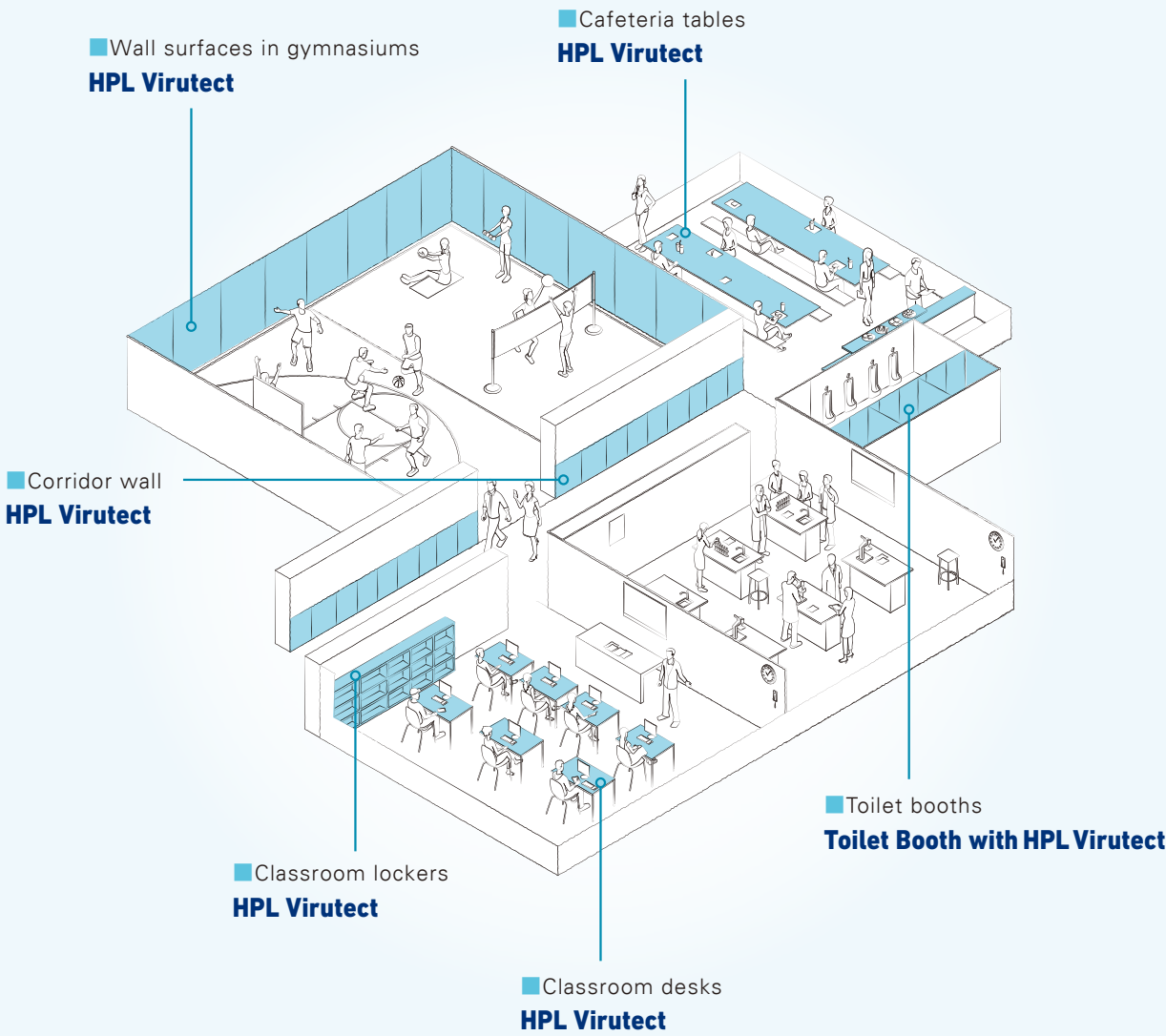
# Medical and Nursing Care Facilities

At medical and nursing care sites, ensuring that countermeasures are in place when it comes to viruses and bacteria is important. It is desirable to both clean areas that are frequently touched by people and to have countermeasures in place to help maintain cleanliness.



# Educational Facilities

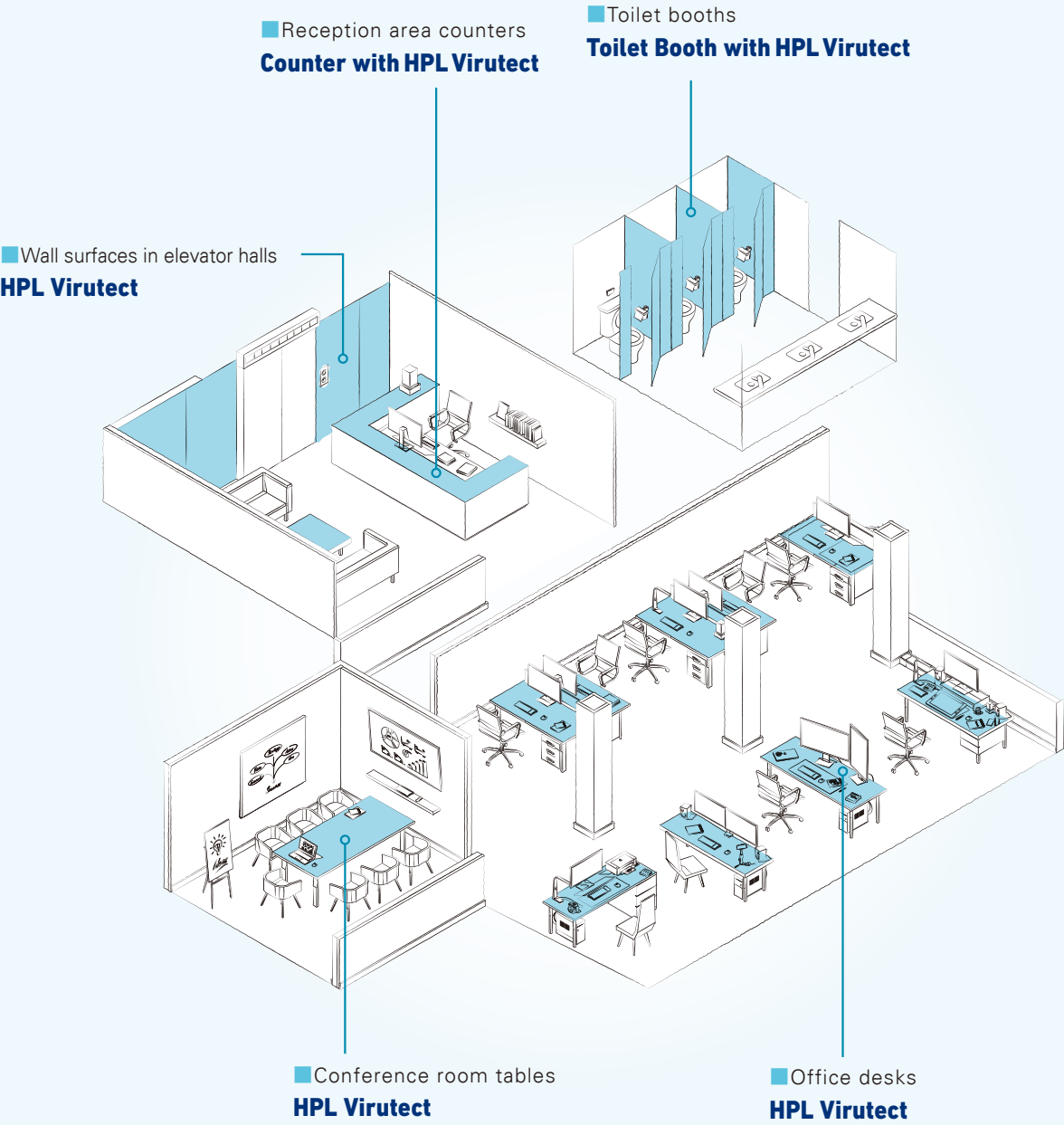
These kinds of facilities are places where lots of children gather. The facilities also have a significant impact on local communities. Countermeasures against viruses and bacteria are important particularly when it comes to small children.





# Offices

We have recently experienced a transformation when it comes to our perceptions concerning maintaining cleanliness in the workplace. We now see it an important challenge to tackle even when it comes to business continuity. This means that antiviral and antibacterial building materials are becoming must-haves.



# Hotels

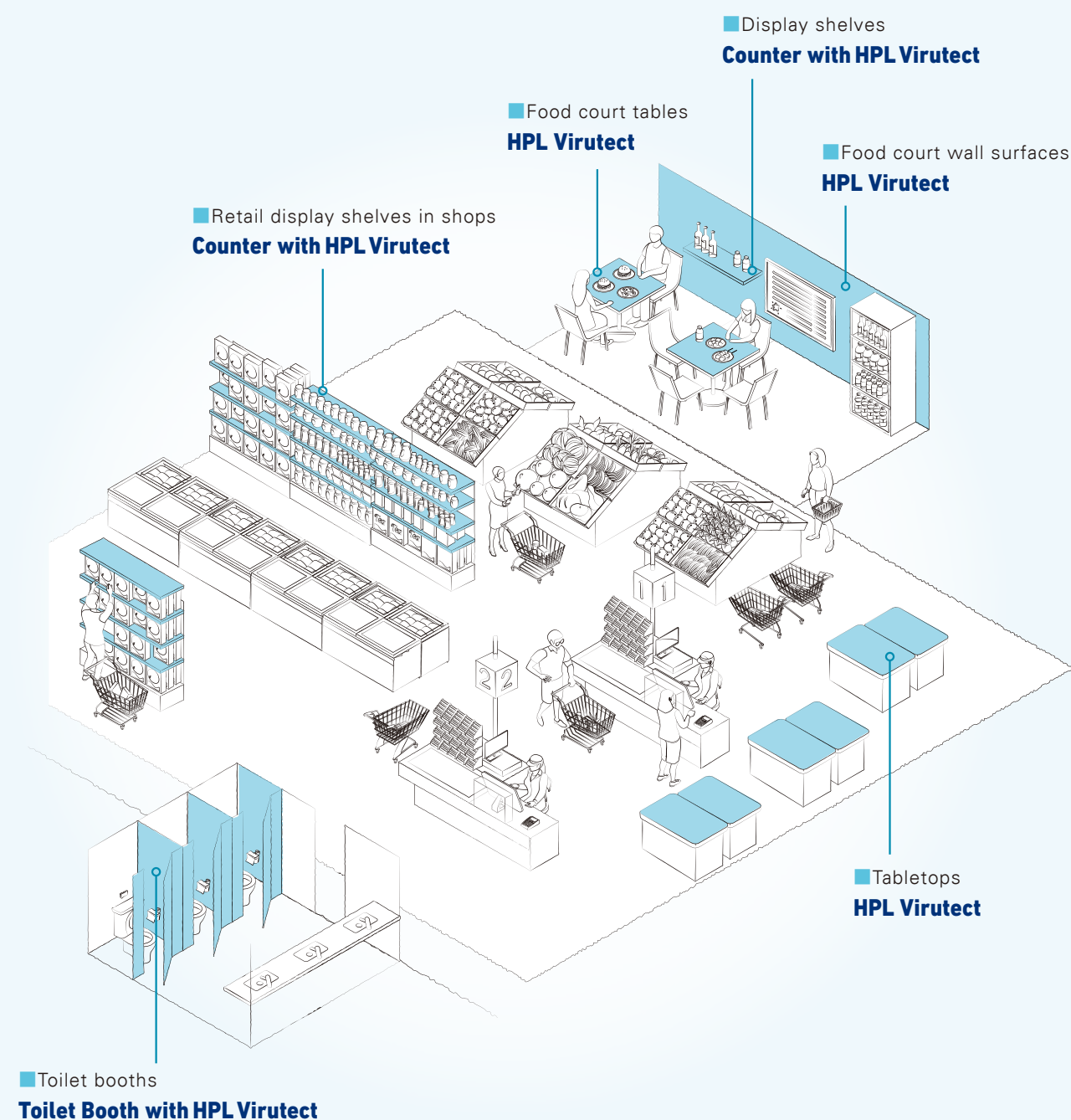
Hotels are used by large, indefinite numbers of people. It is crucial to have antiviral and antibacterial measures in place when it comes to areas of the facilities that people touch with their hands.





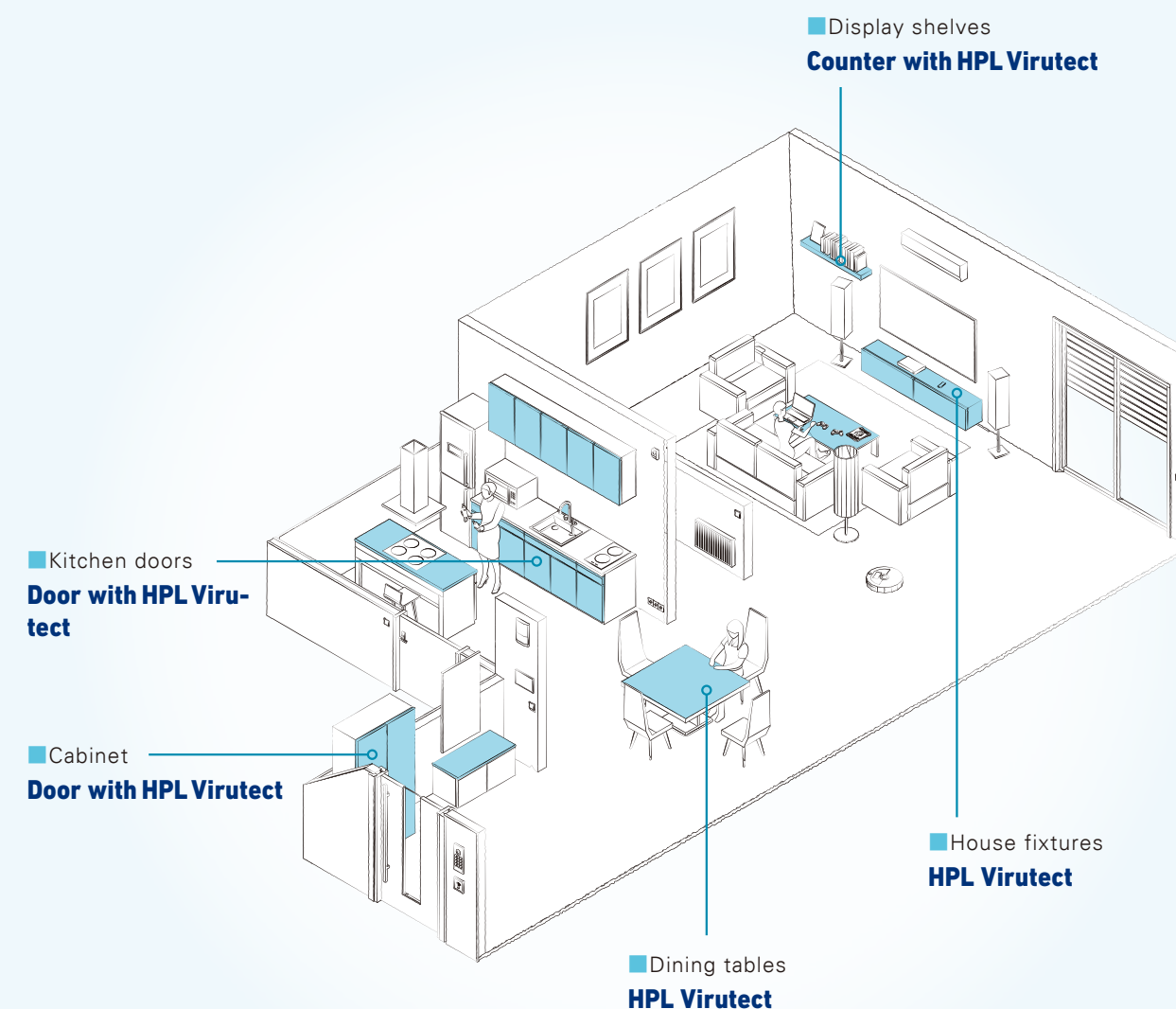
## Restaurants, Retail Shops, and Shopping Malls

People tend to experience less heightened feelings of tension when going to facilities they visit as matter of course during their daily lives. We recommend antiviral materials when it comes to wall surfaces, product shelves, and other areas found in shops frequented by large, indeterminate numbers of people.



## Homes

People are most able to feel at ease in their own home. Incorporating antiviral building materials into your home will result in living spaces which offer even greater peace of mind.

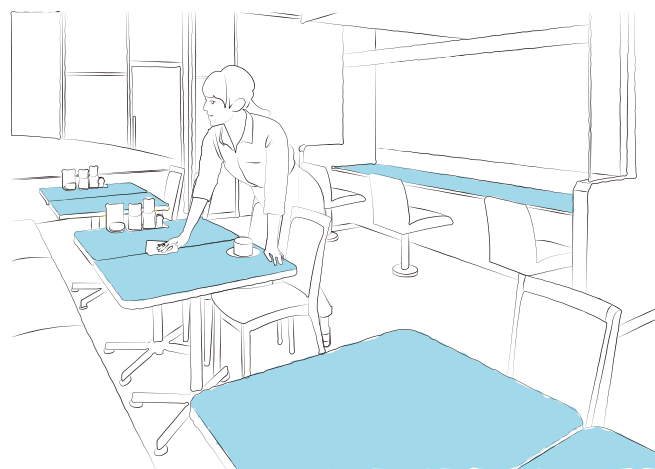


# High pressure laminates

## HPL Virutect

HPL Virutect can be used wherever you want them to maintain cleanliness.

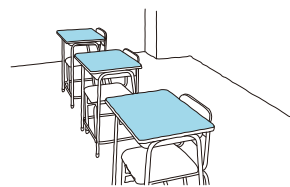
### Tables



### Restaurants



### Desks for schoolchildren



### Childcare and educational facilities



### Breastfeeding booths, Doors, and Fixtures



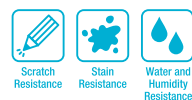
### Shopping malls and public facilities



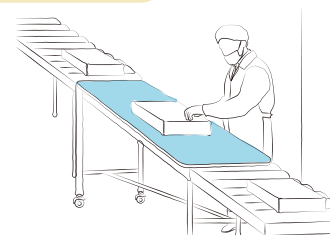
### Locker and dressing room shelves



### Gymnasiums, sports clubs, and hotel bathing facilities



### Workstations



### Logistics centers, food product plants, and factories

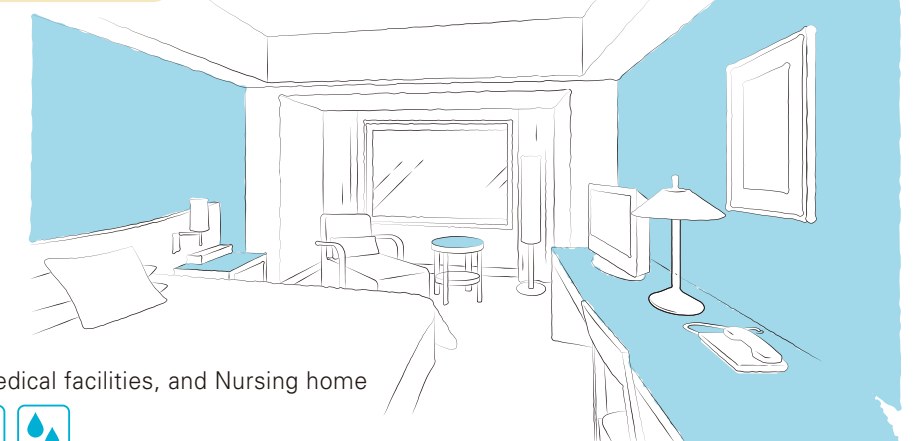


# High pressure laminates

## HPL Virutect

HPL Virutect allow you to maintain cleanliness in worrisome areas.

### Bedside tables



### Hotels, medical facilities, and Nursing home



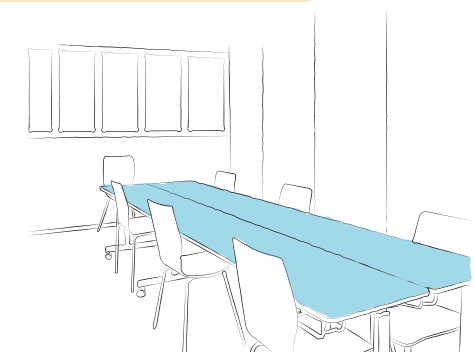
### Partitions



### Offices and public facilities



### Folding conference tables



### Offices, public facilities, and schools

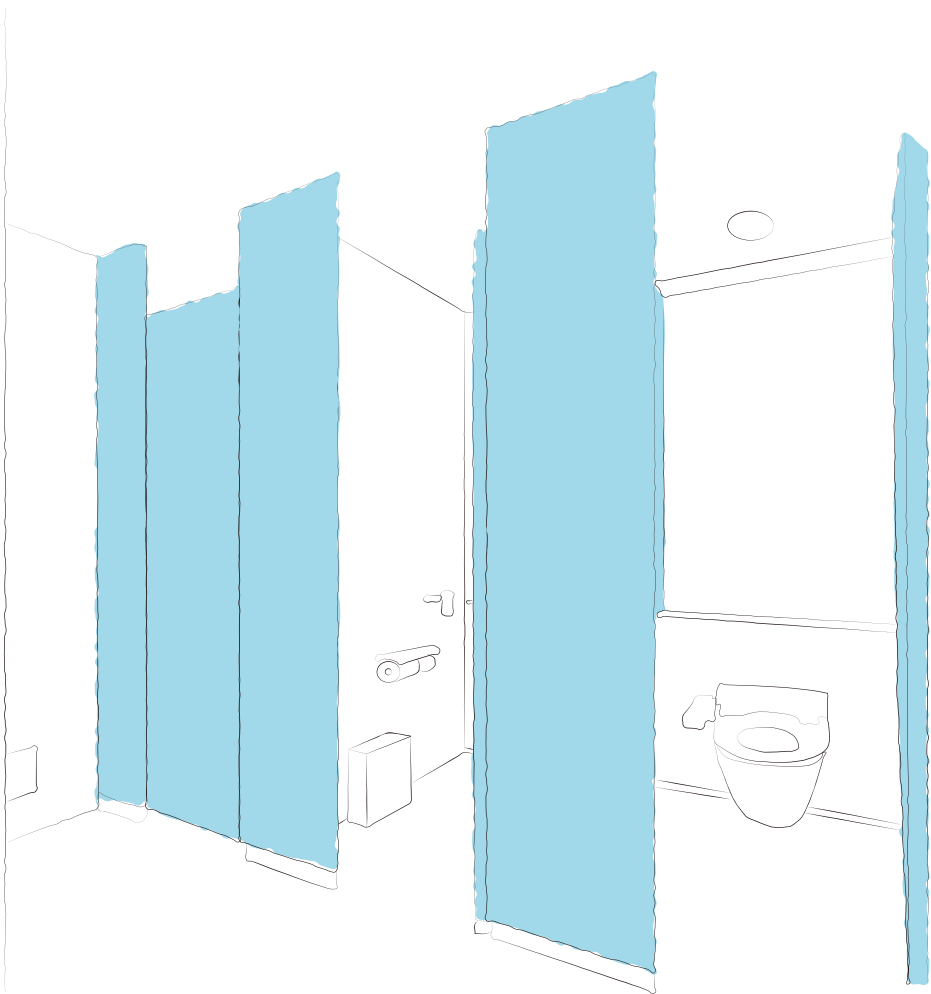


# TOILET BOOTH

## Toilet Booth with HPL Virutect

Toilet booths are used often by large, indeterminate numbers of people. Doors and panels are touched directly when people open and close toilet booths.

Toilet booths



Offices, shopping malls, schools, hospitals, public facilities, stations, and airports



# DOOR

## Door with HPL Virutect

We recommend our HPL Virutect for areas you wish to be used in a hygienic manner, meaning areas that are frequently touched (such as storage units). We have added antiviral and antibacterial functionality to our standard HPL, which have been well-received owing to their usefulness when it comes to kitchen storage units, cabinets, and so on.

Furniture, fixtures, and doors found at stores and facilities



Clinics, bars, and lounges



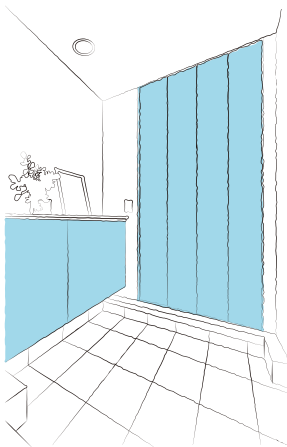
Kitchen doors



Condominiums and detached homes



Doors for storage units in front foyers



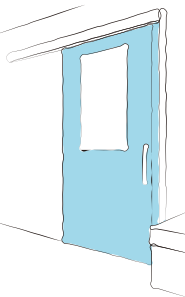
Condominiums and detached homes



## Door with HPL Virutect

Doors are often touched directly by large, indeterminate numbers of people.

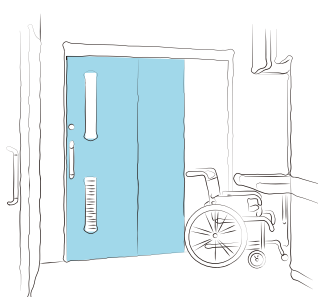
Doors



Nursery schools and kindergartens



Doors



Retirement homes and residential homes for the elderly





# COUNTER

## Counter with HPL Virutect

At reception areas, large, indeterminate numbers of people do things like check in their luggage and fill out forms. We recommend having counters given with antiviral and antibacterial specifications as part of your countermeasures against viruses and bacteria.

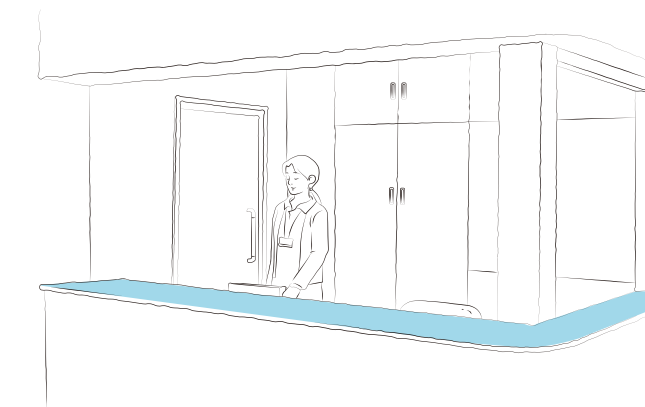
### Reception area counters



Stations, airports, hotels, theaters, offices, hospitals, pharmacies, and public facilities



### Reception area counters

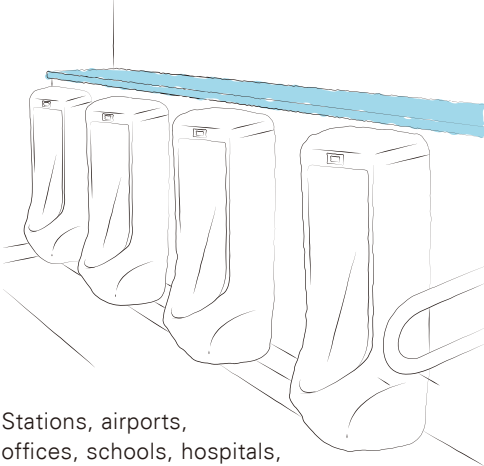


Clinics, pharmacies, offices, and hotels



The pictograms are recommended points of the Virutect series for each part or application.

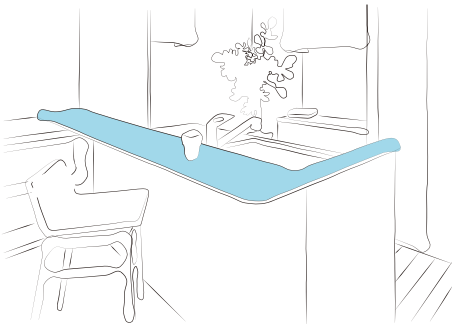
### Counter top



Stations, airports, offices, schools, hospitals, and public facilities



### Dinette counters



Condominiums and detached homes

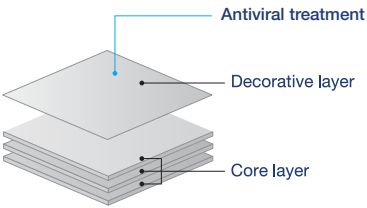


## Virutect / High Pressure Laminates

Virutect has good anti-bacterial and anti-viral performance. We recommend to use Virutect for furniture, wall panel etc.



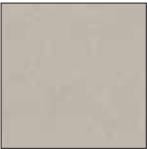
- Available for both vertical and horizontal use.
- Recommend to use Virutect for the place of medical, nursing, child care, education facilities and restaurant.



Finish Surface	Core Color	Size	Thickness
Authentic Wood	Brown	4' x 8'	0.8 mm
Silk	Brown	4' x 8'	0.8 mm
Super Matte	Brown	4' x 8'	0.8 mm
Authentic Wood	Brown	4' x 8'	0.8 mm
Delica	White	4' x 8'	1 mm
Delica	White	4' x 8'	1 mm



YAS 14015 CP98



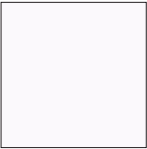
YAS 14060 CP22



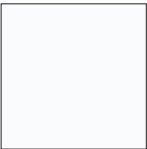
YAS 14062 CP83



YAS 14094 CP98



YASW 13001 KP74



YASW 13002 KP74