

[TOPIC]Recommended floors for schools and educational facilities by function



When designers and architects are tasked with creating a school or educational facility, they carefully consider numerous factors. These include safety, durability, cleanability, and, most importantly, creating an environment where children can enjoy learning. With the principle of “the right floor for the right place,” We provides a range of flooring materials that serve different functions for various buildings and rooms. In this article, we introduce recommended flooring materials primarily designed for elementary, middle, and high schools, which consist of diverse classrooms catering to different purposes.

What are the functions of flooring materials required for schools and educational facilities?



What are the essential functions of flooring materials in creating a safe and enjoyable learning space for children? Firstly, ease of cleaning and maintenance is crucial. In school environments where children spend a significant amount of time each day, resistance to dirt and ease of cleaning are of utmost importance. Building upon these fundamental requirements, each classroom's specific needs must be addressed.

● Cleanability

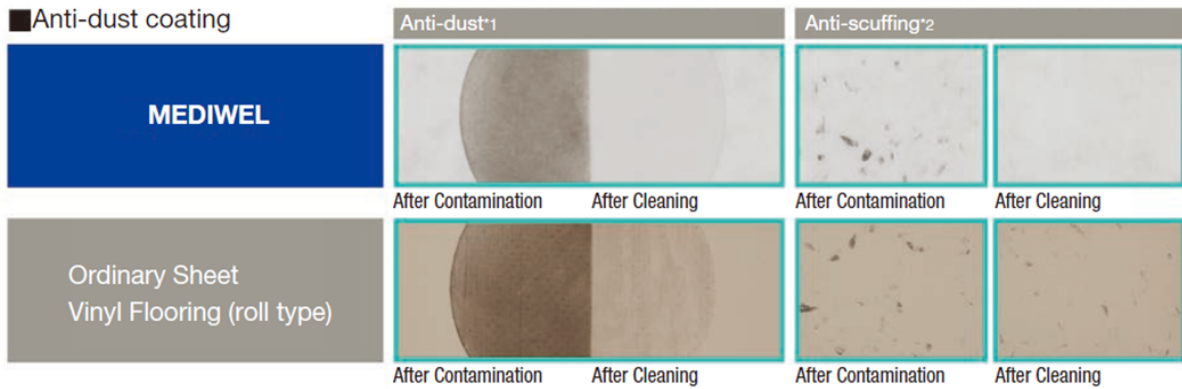
It is essential to ensure that the flooring material is easy to clean and can effectively remove stains, should they occur.

● Shock absorption, dynamic load resistance, chemical resistance, deodorant function, and other such features are necessary, depending on the classroom's intended use.

Furthermore, apart from the functional aspects, a sense of security and enjoyment is required for young children, while a calm and dignified design is important for teachers and staff members.

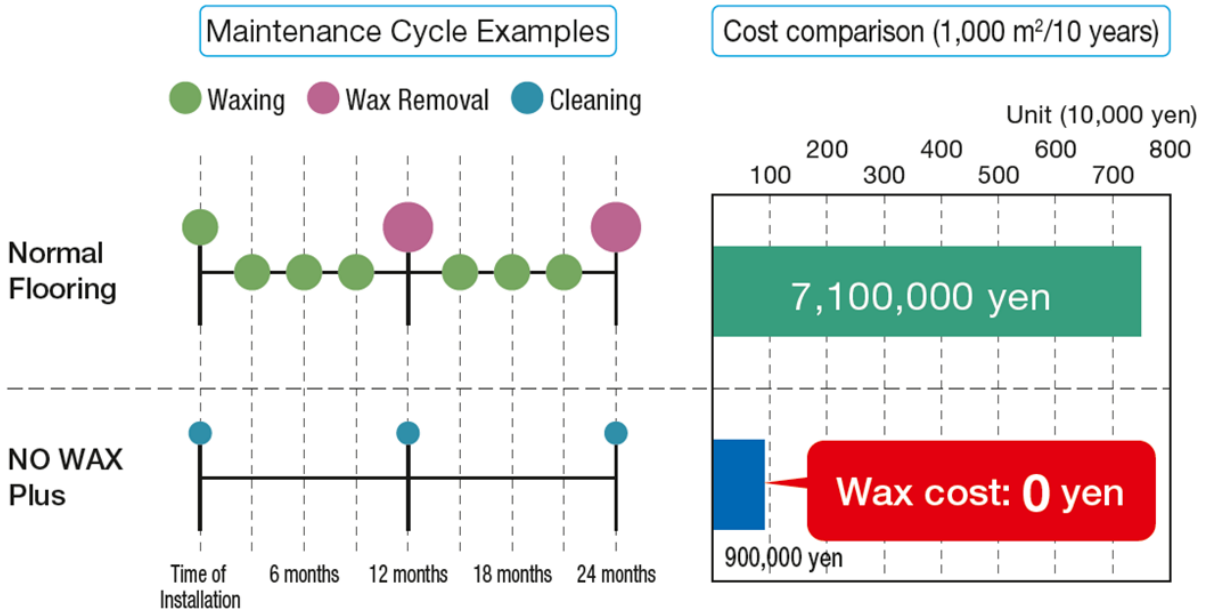
Recommendation 1:

"NO WAX+" series to reduce waxing time and cost



^{*1} Standard contaminants were placed on the surface of the flooring. After drying, the flooring was wiped with a non-woven cloth soaked in water and checked to see how much of the stain was removed. (independent test)
^{*2} Drum-type scuff resistance test performed in accordance with JIS K 3920.

Examples of maintenance cycles for normal flooring versus NO WAX Plus



Our "NO WAX+" series of flooring materials is specifically designed to offer easy cleaning and stain removal, thanks to its exceptional aesthetic maintenance properties. With regular daily maintenance, the floor can retain its beauty over an extended period. Furthermore, the antibacterial properties of these materials play a vital role in supporting a hygienic learning environment. By reducing the presence of bacteria, the flooring contributes to the creation of a safe and comfortable space for children, promoting their well-being and health.

NO WAX+ Series 1: Plus Shock Absorption

Resilient flooring material that mitigate the impact in the event of falls



Regular school room

For regular classrooms and spacious multipurpose rooms where children spend a significant amount of time, it is beneficial to utilize shock-absorbent flooring materials to create a secure environment. In these cases, we highly recommend AC FLOOR(U-MANITY), a vinyl flooring sheet that incorporates a foam layer. This foam layer helps to mitigate the impact on the body in case of falls, while also reducing walking noise and providing insulation. AC FLOOR(U-MANITY) offers a wide range of color and pattern options, including wood grain patterns, cloud patterns, fiber patterns, sand patterns, as well as plain colors. This allows for flexibility in designing the space while ensuring safety and comfort for the students.



Sheet Vinyl Flooring **U-MANITY 28/35/60**

Achieves both a high level of security and functionality with its low-gloss, high-quality texture and foam layer

▼ Product Introduction

https://tajima.jp/flooring/u_manity_28/index.html

NO WAX+ Series 2: Plus Durability

Durable floor material for moving heavy objects and contact with equipment



Music classroom

Durability is an important factor to consider when selecting flooring materials for music classrooms, where large musical instruments are often moved, as well as for arts and crafts classrooms, where equipment and tools are in frequent contact with the floor. In such cases, we highly recommend our TOUGH ZONE for its high durability. The product is durable enough to withstand moving loads from heavy casters and abrasion from contact with various types of equipment and tools, ensuring its longevity and reliable performance over an extended period of time. Furthermore, apart from its durability, TOUGH ZONE offers the advantage of being soft and easy to install, even in low-temperature environments. This makes the installation process more convenient and efficient.



Sheet Vinyl Flooring **TOUGH ZONE**

Highly durable sheet with dynamic load resistance and wear resistance

▼ Product Introduction

https://tajima.jp/flooring/tough_zone/tough_zone/index.html

NO WAX+ Series 3: Plus Chemical Resistance

Flooring materials resistant to chemicals used in chemical experiments



Science classroom

In science classrooms, where handling chemicals for chemistry experiments is a common occurrence, the chemical resistance of the flooring material is of utmost importance. To address this need, we recommend our functional vinyl flooring sheets, the "ANTI-CHEMICAL VINYL SHEET LAB PLUS/LAB." These flooring sheets are specifically designed to provide exceptional chemical resistance, ensuring that the color and gloss of the flooring remain relatively unchanged even when exposed to various chemicals. This feature is crucial in maintaining the aesthetic appeal and longevity of the flooring in these environments. Moreover, the "ANTI-CHEMICAL VINYL SHEET LAB PLUS/LAB" offers the added convenience of NO WAX maintenance specifications, which requires minimal effort to clean and keep clean, making it highly suitable for spaces where chemical handling is prevalent. The "LAB PLUS" variant of the flooring is available in a range of attractive patterns, including wood grain, mortar, cloud, and textile patterns, while the "LAB" variant is available in plain colors.



Functional Flooring

ANTI-CHEMICAL VINYL SHEET LAB PLUS

Wax-free, antistatic and chemical resistant while maintaining appearance. Film type

▼Product Introduction

https://tajima.jp/flooring/taiyaku_floor_lab_plus/taiyaku_floor_lab_plus/index.html



Functional Flooring

ANTI-CHEMICAL VINYL SHEET LAB

Wax-free, antistatic and chemical resistant while maintaining appearance. Plain color type

▼Product Introduction

https://tajima.jp/flooring/taiyaku_floor_lab/taiyaku_floor_lab/index.html

NO WAX+ Series 4: Plus Deodorant Function

Flooring materials that support the elimination of odor problems



restroom

School restrooms, being heavily used by numerous children, demand superior cleanliness and effective odor control. In this regard, we highly recommend DEODORANT-WELCLEAN, a vinyl floor sheet specifically designed with a deodorant function. DEODORANT-WELCLEAN possesses the unique ability to trap odor particles through chemical adsorption, effectively neutralizing and deodorizing them. This inherent deodorant feature helps maintain a fresh and pleasant restroom environment, ensuring a positive experience for users. Furthermore, this flooring material is highly resistant to urine, which makes it particularly suitable for restroom facilities.



Sheet Vinyl Flooring **DEODORANT-WELCLEAN**

Outstanding deodorant performance with chemical absorption

▼ Product Introduction

https://tajima.jp/flooring/deodorant_welclean/deodorant_welclean/index.html

Recommendation 2:

Flooring materials that support the creation of a calm and dignified space



Principals' office

In rooms such as teachers/staff rooms and conference rooms, where a calm and dignified atmosphere is desired, carpet tiles are a popular choice for flooring. Carpet tiles offer several advantages in achieving this atmosphere. They not only contribute to a serene ambiance but also provide a comfortable walking feel and excellent sound absorption properties. These features make carpet tiles a suitable flooring material for these specific areas. One recommended option for carpet tiles is our "TAPIS SELECT PLUS" series, available in 42 different colors. This standard type offers a well-balanced combination of durability, weather and chemical resistance, and maintainability. It has gained recognition and endorsement from the Association of Educational Facilities in Japan, further ensuring its reliability and suitability for school environments. For rooms that require an even more sophisticated and dignified impression, such as the principal's office or reception area, the mid-to-high-end "TZ" series carpet tiles can be considered as an alternative. This series offers a range of refined design colors and patterns, supporting the creation of a high-quality and comfortable space.



Carpet Tile **TAPIS SELECT PLUS**

New standard lineup made with solution-dyed nylon

▼Product Introduction

https://tajima.jp/flooring/tapis_select_plus/tapis_select_plus/index.html

**Schools serve as important learning environments for children.
Select the most suitable flooring material for each purpose.**

As mentioned, schools and educational facilities have diverse requirements when it comes to flooring materials. To cater to these needs, we have dedicated ourselves to developing and manufacturing a wide range of flooring materials with various functions. Our goal is to assist you in creating your ideal space, starting from the floor up.