

# CARE + PRESERVATION

**TMC**  
THE MAKERS CREATIVE



## CARE + PRESERVATION

### WOOD FINISH TOPCOAT

Our standard finishes can handle multiple cleanings a day without wearing away.

Our wood finishes are achieved with aniline dyes and wood pigments with at least two coats of state-of-the-art lacquer and a UV absorber. This provides a very durable finish that is resistant to staining, scratching, and many chemical cleaners. Our topcoat has been tested to withstand heavy cleaning agents such as Virox to destroy bacteria, though it is recommended they be cleaned with a mild cleaning solution such as all-natural dish soap and a damp soft cloth whenever possible. Dry the surface by moving a soft cloth in the direction of the wood grain.

The TMC wood finishes, like all wood finishes, can be still light sensitive, therefore care should be taken to avoid placing your product in areas exposed to intense natural light.

#### FEATURES + BENEFITS

- UV ABSORBER ADDED TO ENSURE GOOD RESISTANCE TO YELLOWING
- VOC compliant as packaged\*
- Meets the Federal HAPS\*\* standard for wood finishes
- Excellent toughness and mar resistance
- Excellent moisture resistance
- Excellent resistance to household chemicals
- Excellent cold check and print resistances
- Free of lead and chromate hazards
- Formaldehyde free coating at application, during and following curing
- Self-sealing system
- Qualifies for UL GREENGUARD Gold Certification for low chemical emissions

*\*VOC compliance limits vary from state to state.*

*\*\*National Standards for Hazardous Air Pollutants (HAPS) Emissions for Wood Furniture Manufacturing Operations CFR40, Part 63, Subpart JJ*

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## Household Chemicals Test

Panels were aged 30 days at 77°F, 5 drops of each item were placed under a watch glass for one hour. Top Coat was rinsed with water, washed with warm water and soap, dried, and wiped with VM&P Naphtha to remove items not removed with water.

Household Ammonia .....	no visual effect
Vinegar .....	no visual effect
Lipstick .....	no visual effect
50% Ethyl Alcohol .....	no visual effect
Mercurchrome 2% .....	no visual effect
Red Ink .....	no visual effect
Washable Blue Ink .....	no visual effect
Oil Base Paint .....	no visual effect
Latex Emulsion Paint .....	no visual effect
Turpentine .....	no visual effect
Orange Crayon .....	no visual effect
Carbon Tetrachloride .....	no visual effect
Mayonnaise .....	no visual effect
10% Sodium Carbonate .....	no visual effect
Water.....	no visual effect

## CARE + PRESERVATION

### MARMOLEUM

*Naturally Anti-microbial*

Contributing naturally to a healthy environment, Forbo's natural linoleum (Marmoleum) has significant antiviral, antibacterial, and other natural properties. Marmoleum is bio-based, highly durable, non-toxic, anti-microbial and easy to maintain. Wipe the surface with a clean, moist cloth or sponge and if necessary, use a mild cleaner. Apply the cleaner and wipe it off. Do not leave the cleaner to dry on the surface. Periodically, rinse thoroughly with warm water and wipe dry. Recommended Cleaners: Greenworks by Clorox®, Antibacterial Multi Surface by Method®, All Purpose Cleaner by Ecos™, Botanical Disinfectant All Purpose Cleaner by CleanWell™.

Marmoleum is a natural product made from 97% natural raw materials; 70% of which are rapidly renewable, along with 43% recycled content. The key raw materials used in its production include linseed oil, which comes from the flax plant seeds, wood as production waste from controlled forests, and jute, a crop whose fibers provide the material for the membrane onto which the linoleum is calendared. All this makes Marmoleum a natural covering, that can be scrapped after a 30-plus year life cycle, since it's biodegradable.

Our EnShell chair and Marmoleum worksurfaces offer the inherent properties that halt the breeding of many micro-organisms. Forbo Marmoleum is very effective against gram-negative and gram-positive contact agents such as bacterium, mold, yeast spores, and specifically pathogens such as MRSA, C-Diff, CRE, etc.

For more details on Marmoleum, in regard to cleaning, please see the additional guidelines from Forbo at the end of this document.

### FEATURES AND BENEFITS

- Inhibits growth of COVID, E. coli and Staph bacteria.
- Inhibits bacterial odors.
- Highly durable for high abrasion and chemical resistance.
- Easily cleaned with mild soap and water or a bleach/water solution.
- Kills microbes that cause odors

### UPHOLSTERY

Many antimicrobial textiles are available for application on TMC products including, but not limited to, our fabric partners that can provide antimicrobial or antibacterial solutions, among other cleaning solutions and durability information.

#### FEATURES AND BENEFITS OF ANTIMICROBIAL TEXTILES

- Elimination of smells created by microorganisms.
- Control of staining caused by microbial growth.
- Increased life period of the fabric.

## CARE + PRESERVATION

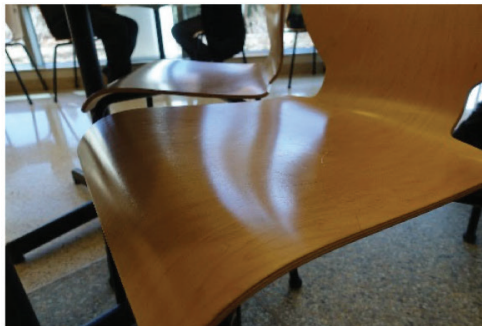
### PLASTICS, LAMINATES AND METAL

Most plastic laminate & metal surfaces may be cleaned with a damp cloth and/or ordinary all- natural window cleaning solution. For specific cleaning information on one of these materials, please contact the material's manufacturer for the best cleaning methods.

### CUSTOMER TESTIMONIAL

The below images and information came from a visit to C.S. Mott Children's Hospital in Ann Arbor in 2021, after over 8 years of use and repeated cleanings. Mott's minimum scheduled cleaning on the chairs is at least nightly after 7pm (regular maintenance), using Sani-Cloth Germicidal Disposable Wipes\* for the last year. For the previous six years they used Oxivir 1 Wipes\*\*. In addition, when they've had a need for bio-waste clean up, they've used standard Clorox Healthcare Bleach Germicidal wipes as appropriate. This amounts to over 3,000 cleanings without noticeable wear to the finish or colors, and no complaints of the chairs holding any bio-hazards.

The aforementioned cleaners are more bleach based than alcohol. Alcohol will tend to wear the finish away over time, so something with a low alcohol content works best.



\*Super Sani-Cloth® Germicidal Disposable Wipes

[www.conncoll.edu/media/](http://www.conncoll.edu/media/)

\*\*Oxivir 1 Wipes

<https://sds.diverse.com/private/document.aspx>

3MTM Quat Disinfectant Cleaner

<https://multimedia.3m.com/mws/>

Virox® Multi-Purpose Cleaner

[https://www.virox.com/files\\_docs/content/pdf](https://www.virox.com/files_docs/content/pdf)

## CARE + PRESERVATION

### FORBO FURNITURE LINOLEUM CARE GUIDELINES

Furniture Linoleum is a unique surfacing material renowned for its elegance, durability, ease of cleaning and years of quality performance. Furniture Linoleum is naturally antistatic so it doesn't attract dust. It is resistant to fingerprints, ink, spills and much more. Everyday cleaning is as simple as wiping with a cloth or sponge.

Be sure to read and follow the recommended cleaning procedures. When using specific cleaners, be sure to read all the labels and follow the manufacturers recommendations.

#### Routine Care

Wipe the surface with a clean, moist cloth or sponge and if necessary use a mild cleaner. Apply the cleaner and wipe it off. Do not leave the cleaner to dry on the surface. Periodically, rinse thoroughly with warm water and wipe dry. Cleanup spill immediately, however stains may occur. It may require the use of a soft scrub brush and a mild cleaner, repeating as necessary to remove stains. Stubborn stains may resist these cleaning methods and may require the use of a stronger cleaner. Contact Forbo for additional recommendations to prevent permanent damage to the surface or material color.

#### Preventive Measures and Stain Removal

- Sharp items may cause scratches, use protection if in doubt.
- Remove stains immediately after spillage (such as ink, coffee, tea, red wine).
- Prevent stubborn stains from forming; use coasters under flowerpots, vases, cups etc.
- For stubborn stains such as ink, pencils and crayons, or for sticky residue from stickers, adhesive or tape residue, use a clean cloth or sponge with Goo Gone. Always rinse and dry afterwards, repeating as necessary.
- Prolonged exposure from chemicals like bleach, acetone, acids, abrasive cleaners, drain cleaner, dyes (hair, textile or food), oven cleaners, rust removers, or toilet bowl cleaners can permanently damage the surface. Wipe up spills immediately, clean with a mild detergent and rinse several times with water.
- Never place pots or dishes directly from the oven or burner, or heat producing appliances (like an electric skillet) on an unprotected surface. Always use a hot pad or trivet for protection.
- Steel wool and other abrasive pads will damage Furniture Linoleum.

Don't use them for cleaning and don't store steel wool pads on your countertop; the metal can rust and leave stains.

## CARE + PRESERVATION

### FORBO FURNITURE LINOLEUM CARE GUIDELINES — CONTINUED

#### Recommended Eco-Friendly Household Cleaners:

- GreenworksbyClorox®
- AntibacMultiSurfacebyMethod
- AllPurposeCleanerbyEcosTM
- BotanicalDisinfectantAllPurposeCleanerbyCleanWellTM

#### Cleaners Not to Use:

Prolonged exposure to any of these cleaners can cause permanent damage or discoloration.

- Pledge®withWax
- Bleach
- Acetone
- Glass
- Metal Cleaners
- Isopropyl Alcohol
- No Abrasive cleaners or brushes

#### Restorative Care:

Alternative Cleaners:

- All Purpose Cleaner by Zep®
- Multi Surface Cleaner by Pledge®
- All Purpose Cleaner by Simple Green® - Multi Purpose Cleaner by Mr. Clean®

#### When cleaning Furniture Linoleum, DO NOT use products that contain the following ingredients:

- Hydrochloric Acid, Muriatic Acid or Hydrogen Chloride
- Sulfuric Acid, Oleic Acid, Oil of Vitriol or Oleum
- Hydrofluoric Acid, Phosphoric Acid or Rust Removers
- Sodium Hydroxide, Caustic Soda, Caustic Lye or Soda Lye
- Pumice abrasive cleaners

If you have damage that requires restoration, please contact Forbo for recommendations prior to starting any care procedures. creating better environments

1-800-842-7839 | [www.forboflooringNA.com](http://www.forboflooringNA.com) | [info.na@forbo.com](mailto:info.na@forbo.com)



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FLOORING SYSTEMS

## **CARE + PRESERVATION**

### **LearnPLAY PRODUCT**

#### **CLEANING**

Our Learning Panels and LearnPLAY Environments should be cleaned on a regular basis. All purpose detergent cleaner for wood surfaces may be used or mild cleaning solution. Our top coat has been tested to withstand heavy cleaning agents such as Virox to destroy bacteria. Cleaners or wipes with bleach and low alcohol content is best. Do not use boiling water or steam to clean.

For more information, please see our Technical Bulletin under Resources on our MAIN website.

#### **MAINTENANCE**

Our Learning Panels and LearnPLAY Products are designed to withstand the most rambunctious children [baby through 8 years of age]. Play areas in public settings may be exposed to misuse and is important that areas are inspected regularly. Sharp points and small parts can be hazardous to children. It is important that a regular visual inspection be included with cleaning routine.





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