



# TOLI Vinyl Sheet

(except for NW series)

## Maintenance Guide

TOLI Corporation

## \*Preface\*

Vinyl Sheets, such as Floorleum Free, NS Flaty, etc., requires wax maintenance in order to keep its clean appearance. Wax can work as the protector from stain by creating coated layer on the flooring surface. Also, wax-applied-flooring has easy-removal function of stains which attach on the surface. Followings are guidance of appropriate maintenance.

### <Applicable Products>

Floorleum Free, Floorleum Plain Emboss, Super K-Sheet series, Opeleum, New Stanload, Factleum, NS Series (800, Real Design, Step, 9500, Flaty, 550)

### <Maintenance>

Maintenance itself is essential task to use vinyl flooring for a long period of time.

Especially, Floorings, among all building materials, is the easiest to get damaged with abrasion and stains. Therefore, appropriate cleaning is expected to work to protect from such damages. Daily cleaning and periodical cleaning will help to keep cleanliness of floorings.

## 1. Cleaner/Wax/Remover

Chart 1 indicates recommended wax, wax cleaner, and wax remover.

### <Chart 1> TOLI Cleaner, (Anti-bacterial) wax, remover

Cleaner			Wax	Wax Remover
Low Shiny	Initial Maintenance	U-Cleaner x50-100 diluted	T-Wax (antibacterial) 1 or 2 time(s) application	-
	Surface Cleaning	U-Cleaner x50-100 diluted	T-Wax (antibacterial) 1 or 2 time(s) application	-
	Removing	-	T-Wax (antibacterial) 1 or 2 time(s) application	U-Remover x5 diluted
High Shiny	Initial Maintenance	FB-3 x 20-30 diluted	New FB Wax 3 times application	-
	Surface Cleaning	FB-3 x 20-30 diluted	New FB Wax 1 or 2 time(s) application One more application on heavy duty area	-
	Removing	-	New FB Wax 2 times application	U-Remover x25 diluted
High Shiny & High Durability	Initial Maintenance	U-Cleaner x50-100 diluted	U-Wax 3 times application	-
	Surface Cleaning	U-Cleaner x50-100 diluted	U-Wax 1 or 2 time(s) application One more application on heavy duty area	-
	Removing	-	U-Wax 3 times application	U-Remover x5 diluted

It is possible to use other popular brand cleaner, wax, and wax remover.

It is needed to confirm it is applicable. Please be sure to use it according to specified % for dilution.

(Popular Brand in Japan) CxS Co., Ltd., Rinrei Corporation, Yushiro Chemical Industry, etc.

## 2. Maintenance Procedure

In general, maintenance is done by based on the term (fixed Schedule).

Vinyl sheet contains high plasticizer, so it is recommended to repeatedly do maintenance every 2 weeks during initial several months until bleeding of plasticizer is settled.

### 2-1. Initial Maintenance

On the initial maintenance work after installation, you may find thin stains and/or powdery plasticizer attached on the surface. Remove it and clean the floor before starting new wax buildup.

#### Surface Cleaning

Tools	Sweeper, Vacuumer, Mop, Bucket, Squeegee, Polisher, Blue-Pad, Wet-Vacuum-Cleaner, Ventilator
Cleaner	TOLI FB-3, U-Cleaner

#### How to

- 1) Remove dust on the surface by sweeping.
- 2) Dilute the cleaner according to <Chart 1>.
- 3) Apply the cleaner evenly, leave for 3 - 5 mins.

**Caution:** Wet flooring is slippery.

- 4) Remove the stain thoroughly by Brush or Blue-Pad.
- 5) Remove the contaminated water by squeegee or Wet-Vacuum-Cleaner.

**Caution:** In case contaminated water is left for a long time, stain may be attached again, or water go into the substrate through the joint seams. It may cause peeling off of floorings.

- 6) Remove water perfectly by mop before contaminated water dries up.

**Caution:** In case this mopping is not sufficient, wax cannot be applied evenly later on.

- 7) Dry up the surface.

#### Applying Wax

Tools	Mop, Bucket, Ventilator
Wax	New FB-Wax (Acrylic and Urethane resin) U-Wax (Urethane resin) T-Wax (anti-bacterial, Acrylic resin)

**How to**

1) Put the required quantity of wax into the bucket. Put dried mop in wax, squeeze it until it does not drop the wax. Ideal quantity of wax is: 0.013L/m<sup>2</sup> (for one coating)

Wax	Quantity by 1 time	Applicable Quantity
New FB Wax	10ml/m <sup>2</sup>	L: approx.600m <sup>2</sup> /18L (can) S: approx. 66m <sup>2</sup> /2L (bottle) (per 3-time application)
U-Wax	13ml/m <sup>2</sup>	L: approx.450m <sup>2</sup> /18L (can) S: approx. 50m <sup>2</sup> /2L (bottle) (per 3-time application)
T-Wax	35ml/m <sup>2</sup>	125-165m <sup>2</sup> /5L (can) (per 1-time application)

New FB Wax is the most basic wax. In case the durability is highly required, the adoption of U-Wax is recommended. In case low shiny finish is required, please use T-Wax.

Pay attention to apply wax as evenly as possible.

2) Apply 3-4 coats of New FB Wax or U-Wax. Or apply 1-2 coats of T-Wax.

Wax coating on the previous coat should be done after previous wax becomes completely dry.

**Caution:** In case re-application is done before previous wax coat has not dried enough, it will cause dull surface and decrease the rigidity of wax coat.

Whenever the mop is found dirty, it must be cleaned well before next use.

If dirty mop is used, it will spread out the stain.

3) Dry up enough.

**Caution:** Keep off the waxed area until the wax dries up completely. Stepping on the wet wax will result in footprint. Also, in case furniture are installed before wax dries, the wax may work as adhesive between the flooring and the furniture, then the furniture may be glued down to the floor.

4) Preserve bucket and mop in clean condition after use by water cleaning.

**2-2. Daily Maintenance (Every Day)**

The enemy of vinyl sheet and wax is damage/abrasion by dirt. In order to minimize this, it is recommended to install dust-control mat at the entrance.

**Sweeping/Wiping**

Tools	Sweeper, Mop
Mat	Dust Control Mat

**How to**

1) Remove the dust and dirt by sweeping/wiping everyday.

2) Remove the dust and dirt piled up in the dust control mat by shaking and washing. Excessively accumulated sand or dirt will inevitably be brought indoors, which causes scratches and soilings.

3) In case shoe scuff mark is attached, remove it by mopping, or brushing with neutral detergent. Rubber stains like wheel mark, if left unattended for long, will cause color contamination.

### 2-3. Periodical Maintenance (week/month basis)

Once the stain look outstanding in spite of daily maintenance, all area must be cleaned up thoroughly and applied one or two coats of wax. As such maintenance includes watery wash, the area must be kept off during the maintenance hours, or it must be done on a closed day.

#### Surface Cleaning (Once every 4 weeks)

Surface cleaning is advised to be done once every 3 weeks, in case it gets dirty so quickly. Basically the method is same as Surface Cleaning of 2-1 Initial Maintenance.

TOLI Wax/Cleaner Combination

Wax	Cleaner	Dilution
New FB Wax	Cleaner FB-3	x 20-30
U-Wax	U-Cleaner	x 50-100
T-Wax	U-Cleaner	x 50-100

In case applied wax is another brand, please use the specified cleaner by wax manufacturer.

#### Spray Buffing

This method is for partial cleaning and waxing.

Tools	High Speed Polisher, Pad for polisher, Spray Bottle
Spray	Spray Solution: New FB Wax or U-Wax, 3 times diluted with water

T-Wax is not applicable for Spray Buffing.

#### How to

Remove the partial stain by spray buffing, apply wax if needed.

- 1) Remove dust on the surface by mop.
- 2) Dilute New FB Wax or U-Wax with double quantity of water (x3 dilution).

Other branded spray buffing solution is also applicable.

**Caution:** Dilute precisely. Incorrect dilution may result in dirt residue or uneven gloss.

- 3) Spray it in area about 1m<sup>2</sup>.
- 4) Polish with pad by high-speed polisher until it becomes dry.
- 5) Wipe off with clean wet cloth and let it dry.
- 6) Apply wax if needed.

#### Spray Cleaning

When the Spray Buffing becomes insufficient to remove dirt, Spray Cleaning is recommended. Water cleaning is needed after cleaning detergent is used.

Also Reapplication of wax is needed because the surface wax is removed partially with Polisher.

Tools	Polisher, Blue-Pad, Spray Bottle, Mop, Bucket
Cleaner Wax	Spray Solution: Cleaner FB-3: x 10-30 times diluted U-Cleaner: x 50-100 times diluted  Wax: New FB Wax, U-Wax

T-Wax is not applicable for Spray Cleaning.

**Procedure**

- 1) Remove the dust and sand.
- 2) Put diluted FB-3 or U-cleaner into Spray bottle.  
Other brand is also applicable.
- 3) Spray it in area about 1m2.
- 4) Use polisher with blue pad until it becomes dry.
- 5) Mopping with water enough.
- Caution:** In case mopping is not enough, wax may not be applied evenly.
- 6) Dry up enough.
- 7) Apply wax according to the method of above 2-1.

**3-4. Yearly Cleaning (Once a year, or a half year)**

When wax becomes yellowish, or powdery, the wax must be removed and be reapplied. Normally this maintenance is done once per a half year or a year, though it depends on the circumstance and the traffic condition.

Tools	Sweeper, Vacuumer, Mop, Bucket, Squeegee, Polisher, Black or Brown-Pad, Wet-Vacuum-Cleaner, Ventilator
Remover	Remover: U-Remover Wax: New FB Wax, U-Wax, T-Wax

**How to**

- 1) Remove the dust by sweeper or vacuumer.
- 2) Prepare the wax-remover-solution. Dilution % is assigned by each remover.  
Refer to <Chart 1>.
- Caution:** Use specified remover for each wax. In case non specified one is used, wax may not be removed enough.
- 3) Apply the wax-remover-solution evenly. Leave it for 5-10 mins. Buff and remove the wax layer with Black or Brown-Pad thoroughly.
- Caution:** Pay attention not to flow this solution under the furniture. Diluted wax by remover may work as the adhesive to stick the furniture and flooring.
- 4) Remove contaminated water by squeegee or wet-vacuum-cleaner.
- Caution:** In case contaminated water is left for a long time, stain may be attached again, or water go into the substrate through the joint seams. It may cause peeling off of sheets.
- 5) Mop the floor clean and perfectly dry, before contaminated water dries up.
- Caution:** In case this mopping is not good enough, wax may not be applied evenly later on.
- 6) Dry up the flooring with clean mop.
- Caution:** The surface of the flooring after stripping the wax coat off is very sensitive to dirt. Pay attention when walking on.
- 7) Follow the Applying Wax procedure in above 2-1. Initial Maintenance method.

Thank you and regards,  
TOLI Corporation