



# Ease of Maintenance (Scuff-Mark Resistance) of Vinyl Sheets & Tiles

Data below will help you to compare the ease of maintenance of each flooring.

The frequency of cleaning and wax application will make a significant difference in the appearance of floorcovering. The maintenance performance of stain-resistant floorcovering is an integral element to keep a clean and comfortable environment. TOLI NW series floorings, requiring no wax maintenance, will contribute to reduction of maintenance cost.

Category	Product name	Thickness (mm)	With wax coating		Without wax coating		Overall ranking
			Paper wiping	Wet cloth wiping	Paper wiping	Wet cloth wiping	
Vinyl sheet	HITOE GRANDE	2.0	-	-	A	A	A
	HITOE FINE	2.0	-	-	A	A	A
	NONWAXLEUM NW	2.0	-	-	A	A	A
	MATURE NW *1	2.0	-	-	A	A	A
	DEODORANT NS TOWARE NW	2.0	-	-	A	A	A
	NS PLAIN NW	2.0	-	-	A	A	A
	SF FLOORNW	2.8	-	-	A	A	A
	SF FLOOR NW 3.5mm (made to order)	3.5	-	-	A	A	A
	HOSPILEUM NW	2.0	-	-	A	A	A
	FLOORLEUM PLAIN/MARBLE NW	2.0	-	-	A	A	A
	FLOORLEUM PREMIER NW series *2	2.0	-	-	A	A	A
	CARESAFE NW	4.5	-	-	A	A	A
	CF SHEET-P NW	2.3	-	-	A	A	A
	NS AQUATREAD	2.0	B	B	B	B	B
	NEW STANLOAD	2.0	C	B	B	B	B
	NS FLATY	2.0	B	B	B	D	B
	OPELEUM	2.0	C	B	C	D	B
	CHEMICAL-RESISTANT SUPER K SHEET NW	2.0	-	-	A	A	A
	CHEMICAL-RESISTANT SUPER K SHEET EXCELLA NW	2.0	-	-	A	A	A
Vinyl tile	TOUGHTEC TILE	3.0	-	-	A	A	A
	LOOSELAY MASTER NW-EX	5.0	-	-	A	A	A
	E-CLEAN NW EX	3.0	-	-	A	A	A
	LOOSELAY 40NW-EX	4.0	-	-	A	B	B
	ROYALWOOD/ROYALSTONE	3.0	B	B	D	D	B
	DINAMIC STONE	3.0	-	-	A	A	A
	PIESTA	3.0	-	-	A	A	A
	MATICO V	2.0	C	C	D	D	C
Others	FASOL PLUS	3.0	C	C	D	D	C
	LINOLEUM	2.5	B	B	C	D	B

\*1 The difference of surface embossing will affect the results. \*2 series consists of FLOORLEUM SOILUD NW, LATTICE NW, FLAKE NW, NATTY NW.

## Vinyl Sheets & Tiles

[Criteria for Evaluation] The evaluation is made by NW products **without wax** application and all other products **with wax** application.

Rank	
A	Scuff marks can be completely wiped off.
B	A fair amount of scuff marks can be wiped off.
C	Few scuff marks can be wiped off.
D	Scuff marks cannot be removed at all.

### ● Test Method

#### Stain Resistance Test (Independent test by TOLI)

Stick the test pieces in 22cm × 22cm onto 6 inner surfaces of the hexagon tumbling machine (Figure 1). Put 6 pieces of 5cm cubic rubber (Photo 1) into the machine and close the cover. Rotate the low-speed motor at 63 turns per minute for 15 minutes and reverse the rotation for 15 minutes. Then take out the test pieces and check the stains with naked eyes. After cleaning with dry paper and wet paper, check them once again with naked eyes, and evaluate.

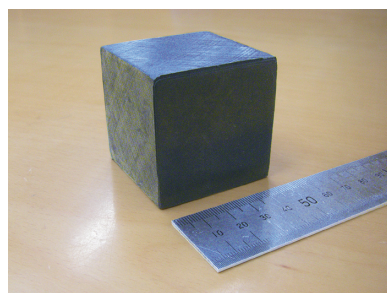
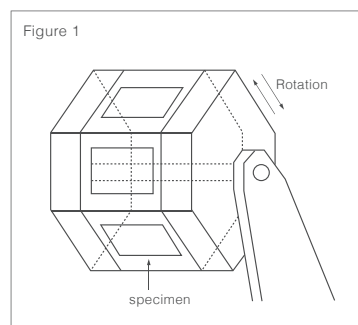


Photo 1) 5cm cubic rubber to be put into the tumbling machine



Example of scuff marks by shoes heels, frequently seen in heavy traffic areas.

\*All the testing was conducted by TOLI's in-house labs unless otherwise specified. The data shows actual test results, not guaranteed value.