

## What is the REN Escalator Cleaning System?

*The REN system is a lightweight, low cost, one-person operational device that doesn't require the escalator be shut off and can complete a cleaning in as fast as five minutes.*

*The system is as easy to use as a mop and requires less effort than a broom.*

### Why clean escalators?

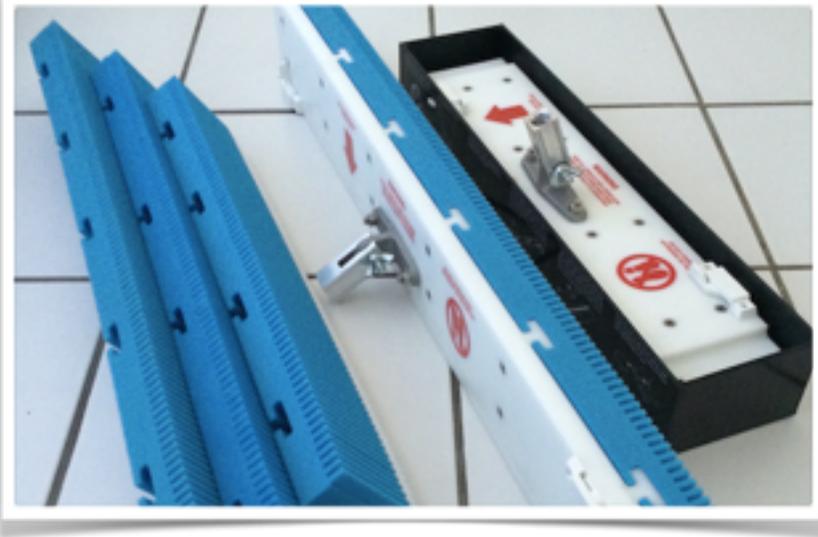
Escalators are the most expensive flooring in any building. Costing well over \$100K and having the highest level of traffic per square inch of any flooring area. Escalators provide nearly 100 billion rides per year in the U.S. alone.

Escalators also have one of the highest levels of exposure to slip and fall liability, most often when not properly and consistently cleaned or maintained.

According to the Consumer Product Safety Commission, about 10,000 people a year are admitted to emergency rooms as a direct result of escalator accidents in the U.S. alone.

### How often should an escalator be cleaned?

Escalator cleaning frequency is wholly dependent on the amount of traffic and dirt they accumulate. An escalator's cleaning frequency should match that of its' entering or exiting flooring areas. If the carpets or hard flooring areas leading up to or away from an escalator are cleaned daily, then a similar regimen should be implemented for those escalators.

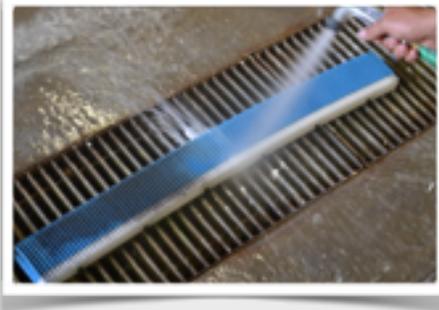


### How does it work?

The REN system uses engineered cleaning pads that fit deep into the grooves and across the span of an escalator's treads. The cleaning pads firstly deliver the optimal amount of TREAD CLEAN solution to help break down and emulsify dust, dirt, grease and stains from spilled drinks. The escalator's own propulsion is then used to generate the cleaning action, so no outside power is required. The cleaning pads pick up the liquefied dirt as the treads pass through the shapes of the pad, wiping the treads clean.



## What Does the REN System Cost to Operate ?



### Why use TREAD CLEAN?

TREAD CLEAN is an anti-corrosive, low foaming cleaning solution formulated to emulsify the dust, dirt, stains and grease most commonly found on escalators and travelators.

TREAD CLEAN is formulated to maintain a specific viscosity allowing the REN cleaning pads to most effectively absorb dirt and wipe treads clean. It also allows the dirt to more easily wash away when the pads are cleaned and reused.

TREAD CLEAN will not tarnish the treads finish whether raw, painted, machined, polished or powder coated, not even the plastic edges. It's anti-corrosive additives will also not harm the mechanics beneath.

TREAD CLEAN will not leave a sticky or slippery residue on the treads when used as directed.

### Cleaning Pad Costs

24" Cleaning pad \$29.00 Assuming 10 uses per pad = \$2.90 per use  
 32" Cleaning pad \$37.00 Assuming 10 uses per pad = \$3.70 per use  
 40" Cleaning pad \$49.85 Assuming 10 uses per pad = \$4.98 per use

*Accumulation and type of dirt, condition of escalator and frequency of cleaning will all affect both the longevity and reusability of the pads.*

### TREAD CLEAN solution Costs

One (1) gallon of Tread Clean @ \$47.50 gallon  
 Diluted 10:1 provides the following:

16 oz solution for a 24" cleaning pad = \$0.60 cleaning  
 20 oz solution for a 32" cleaning pad = \$0.75 cleaning  
 24 oz solution for a 40" cleaning pad = \$0.90 cleaning

### Estimated Labor Costs

**\$20.00 / hour rate used for example purposes only**

*For example purposes only, this calculation uses a fifteen minute time allowance. A single maintenance cleaning cycle can be done in as fast as five minutes. Your results, time required and hourly rates will vary.*

### **Total Escalator Cleaning Costs:**

includes labor and materials as listed above

**To clean a 24" escalator: \$8.50**

**To clean a 32" escalator: \$9.45**

**To clean a 40" escalator: \$10.90**

**NOTE:** *The condition and age of the escalator, the frequency of prior cleanings, the temperature, location, type and amount of dirt built up will all affect the performance and reusability of pads and the actual cost of using the system. REN™ 2015 List prices were used for this cost analysis. Your results, costs and actual usage may vary. Cost estimates do not include the device (head unit).*

### ★ **WARNING:** Use of cleaning solutions other than TREAD CLEAN may :

Cause harm or damage to the escalators finish or paint, corrode internal mechanics, lower the functionality and effectiveness of the REN system, create a dangerous escalator tread surface from a sticky or slippery residue and, shorten the life span or reusability of the REN cleaning pads.

