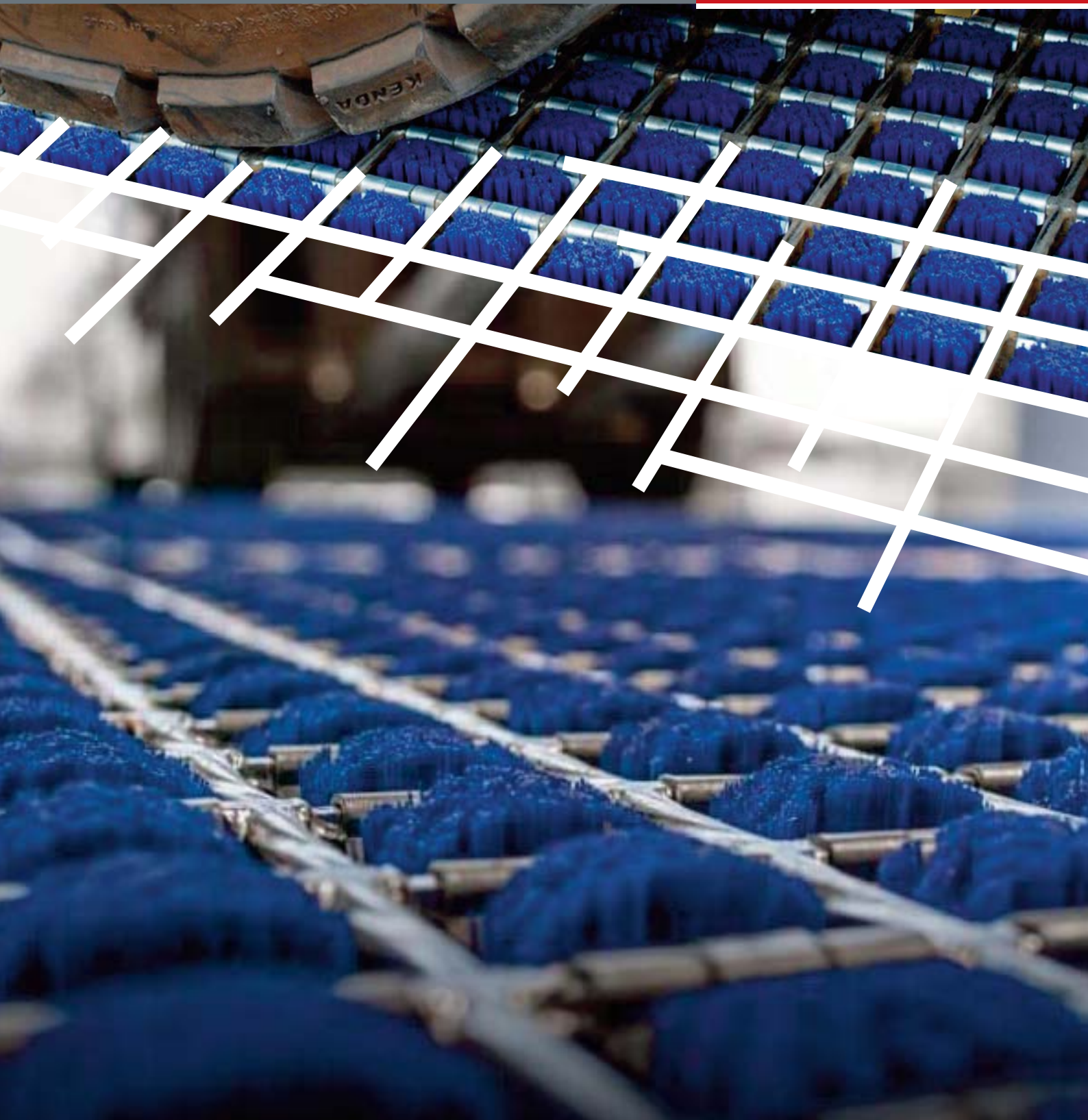


Modern cleaning systems

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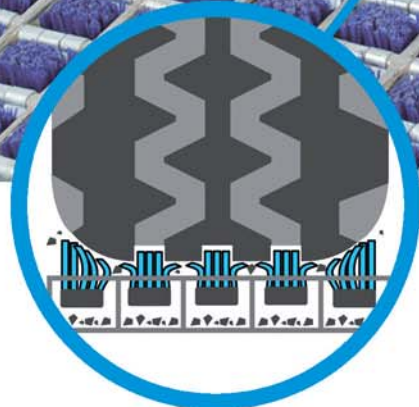


A cleaning system is an essential piece of equipment in modern warehouses and production halls. Steel Grates provide effective solutions to ensure that all pedestrian passageways and vehicle traffic routes for vehicles are kept clean. Cleaner environment translates directly into increased work safety. The use of a cleaning system reduces the risk of accident caused by slipping on a dirty or wet surface. Cleaning system reduces the costs spent on surface cleaning by up to 40%.

The wheel cleaning system consists on a set of galvanised steel or stainless steel grates. Those grates are equipped with a system of cleaning brushes. Our original design of brush hairs and their layout ensures that all the dirt is removed from the surface of the wheels as the internal elements of the tread.

What makes this product truly unique is its original brush fastening system. It enables the cleaning brushes to stay in one place without being hidden inside the grate in order to ensure their effective performance.

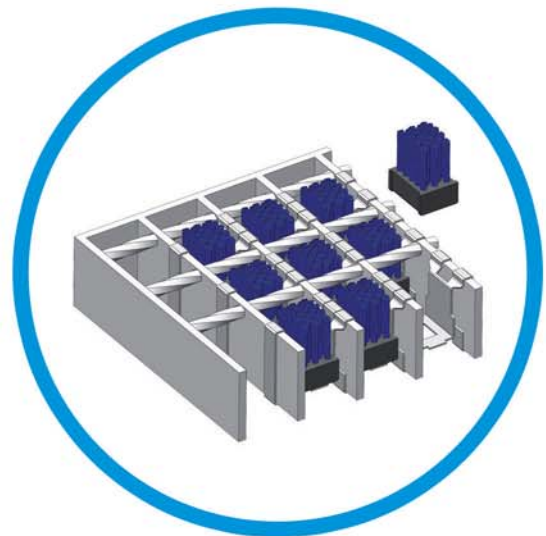
A set of grates installed next to each other in the form of a cleaning panel adjusted in terms of the load, dirt type, vehicle type and grate placement guarantees optimum cleaning of vehicle wheels and footwear.





Benefits

- Clean entrances and passageways result in a clean manufacturing process and higher quality of products.
- Elimination of dirt improves the quality of work environment and reduces the risk of accidents caused e.g. by slip and fall.
- The cleaning costs can be decreased by up to 40%.
- Replaceable brushes result in lower maintenance and cleaning costs.
- The system can be installed in an existing structure, no surface preparation is needed.
- The entrance and hall surfaces are protected against damage.



Replaceable single brushes
Easy replacement

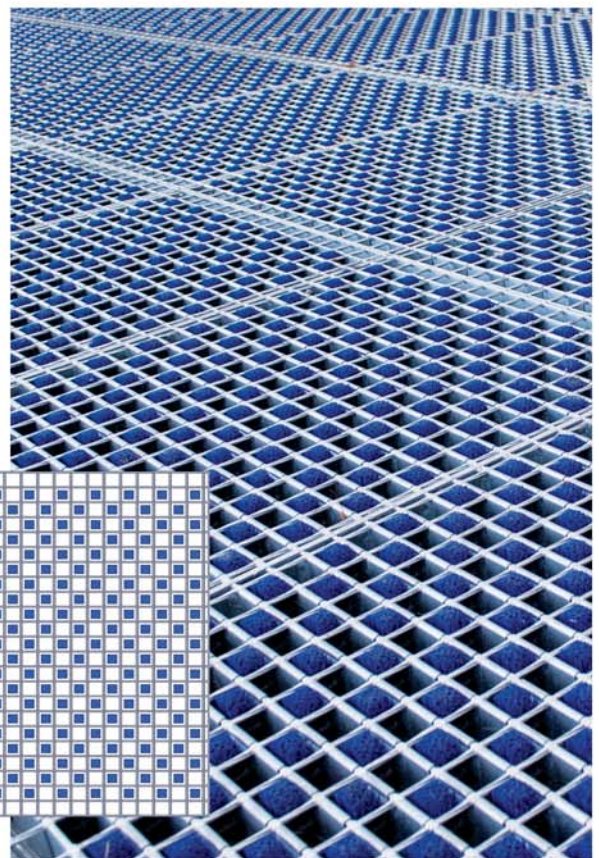
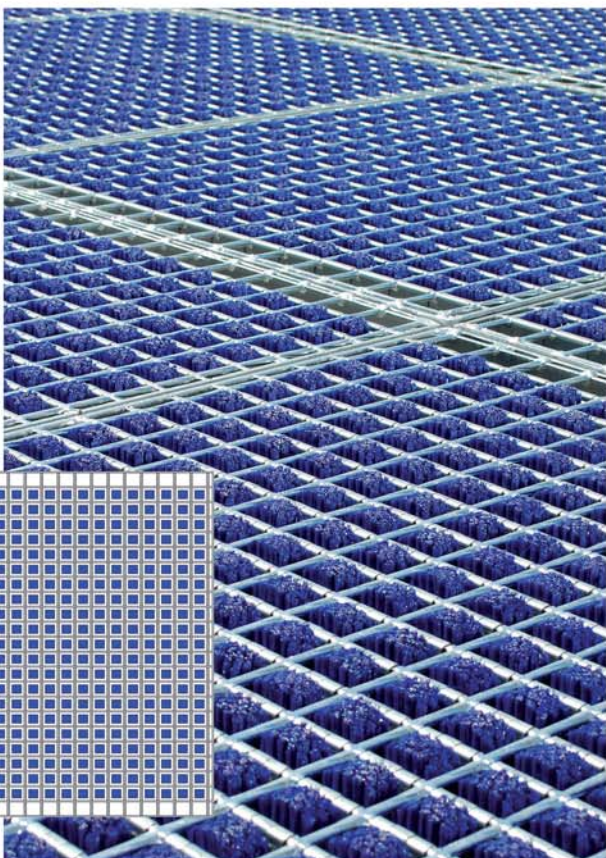
Usage

Steel Grates can be used both indoors and outdoors. Using cleaning panels outdoors prevents the transport of dirt into warehouses, production halls, car parks, garages for employee vehicles, car showrooms or any other buildings, which are entered by vehicles coming from outdoors. When used indoors, they prevent the transmission of dirt between particular zones of production halls, warehouses etc.



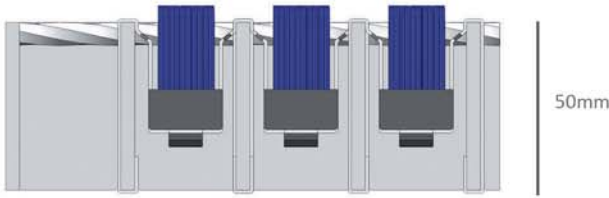
Brushes layout

Our cleaning systems are available in two versions: with full brush coverage and a chessboard brush layout. We recommend using a chessboard brush layout in passageways exposed to small and medium amount of dirt. An individual brushes layout is available upon request.



System types

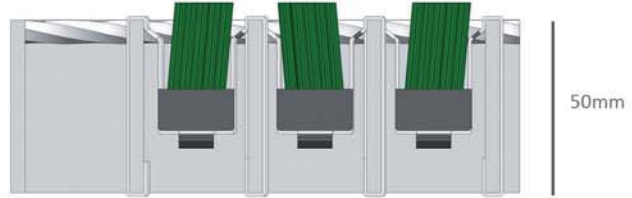
Standard



A system for cleaning wheels of large to medium weight vehicles. It can be used both inside and outside manufacturing and logistics areas. The brush hairs are made of durable materials, which guarantee long service life.



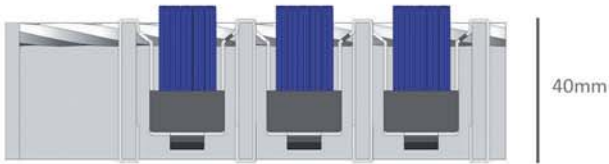
Standard Walk



This system is equipped with brushes that ensure effective cleaning of footwear soles while providing high comfort while passing through it.



Lite



This version of our system consists on a lower grate. The system is designed for internal zones in production facilities, logistics centres, lift areas and workshop zones.



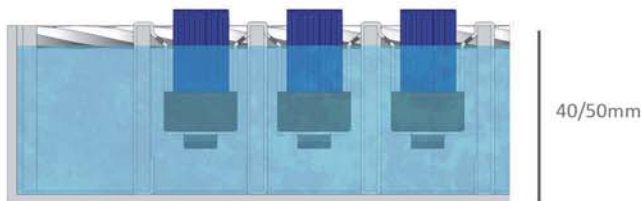
Lite Walk



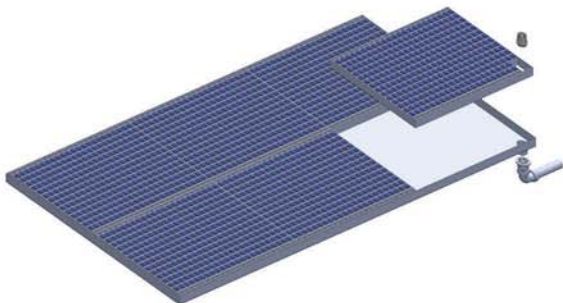
The low grate profile and special brush design make this system an effective and comfortable solution dedicated to pedestrian and workshop passageways as well as vehicle traffic routes.



Ultra Clean



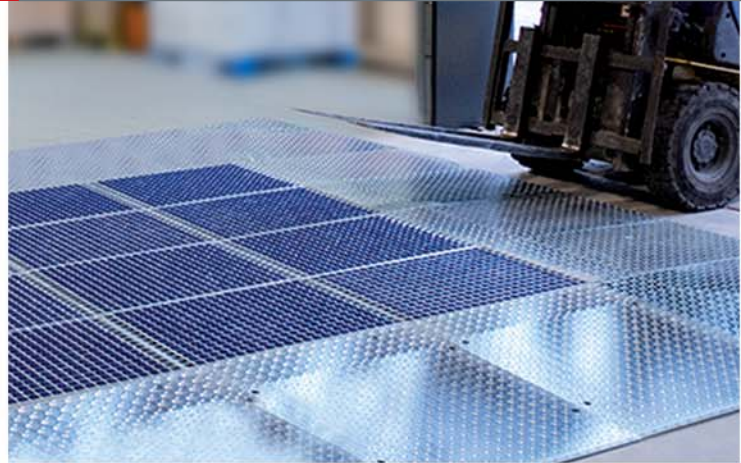
It can be wet cleaned and disinfected. The carrying grate and the brushes are placed in a tank filled with a liquid. The carrying grate and the container for the cleaning and disinfecting fluid are made of stainless steel while the plastic brushes guarantee resistance to water and chemical factors. A special grate design with openings in its bottom part ensure the free flow of water or the disinfecting solution between the grate eyelets.



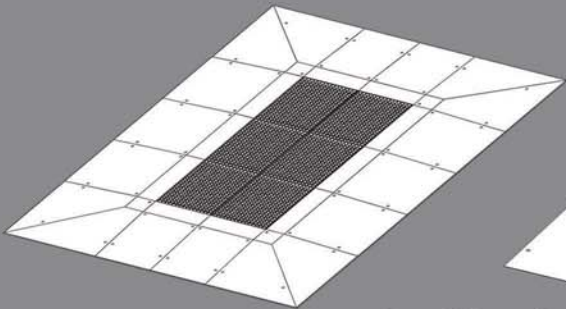
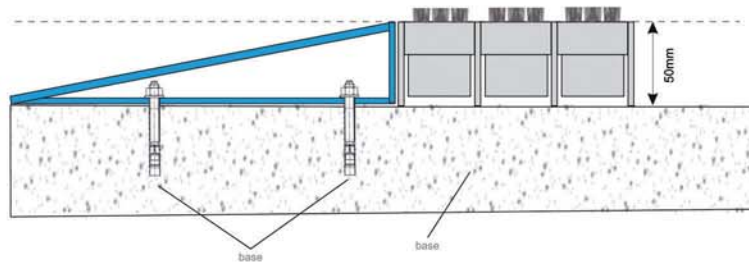


	STANDARD	STANDARD WALK	LITE	LITE WALK	ULTRA CLEAN
height	50	50	40	40	50/40
module dimensions	793 x 600	793 x 600	793 x 600	793 x 600	793 x 600
eyelet layout	15 x 23	15 x 23	15 x 23	15 x 23	15 x 23
No. of brushes (full)	315	315	315	315	315
No. of brushes (chessboard)	158	158	158	158	158
maximum load (tonnes)	30	20	30	20	30
passing speed (km/h)	<10	<5	<10	<5	<5
slip resistance	R12	R11	R12	R11	R11
possibility to use vehicle ramps	●	●	●	●	
space for dirt (mm)	15	15	5	5	15/5
traffic intensity	●●●	●●	●●	●	●●/●●●
application outdoors	●	●	●	●	
application indoors			●	●	●
grate material - galvanised steel	●	●	●	●	
grate material - stainless steel	●	●	●	●	●
tank - galvanised steel					●
tank - stainless steel					●

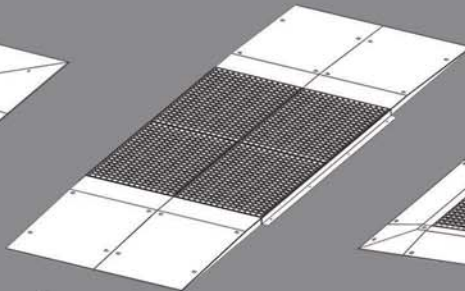
System installation



Installation placed on the existing flooring with the addition of a ramp system. A full set of vehicle ramps is an element of the vehicle wheel cleaning system.

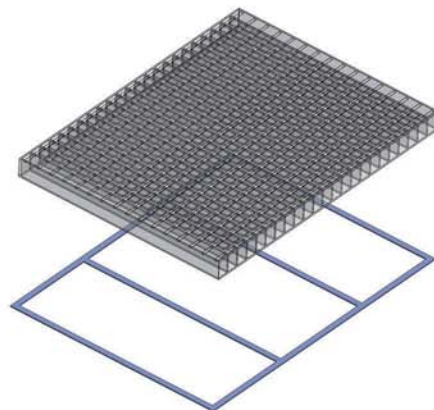
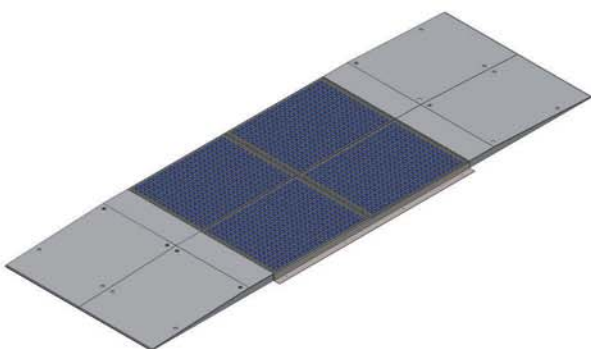


Ramps for vehicle traffic

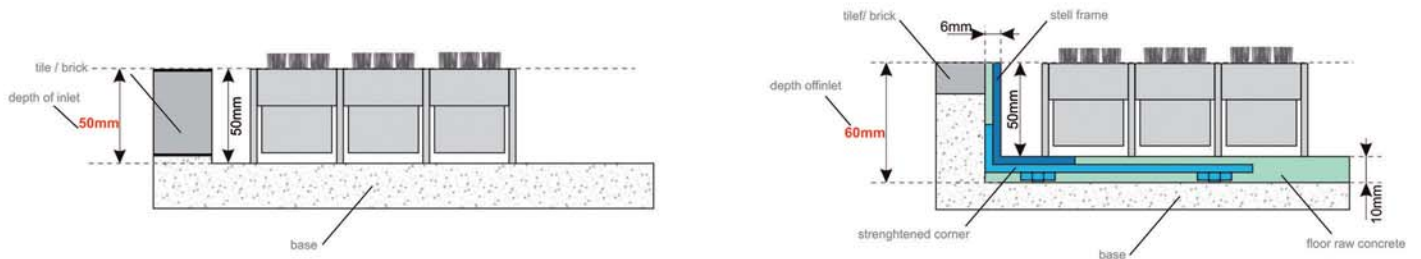


Ramps for pedestrian traffic

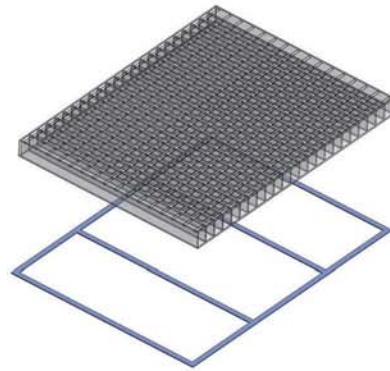
This type of installation is made by use of frame which protects the floor against being damaged and also by use of a corner frame in case of usage of frontal drive-on ramps.



Installation inserted into a recess in the flooring, which was made during its installation. In this case we can use an additional support system, which will increase the space for dirt accumulation by several times. However, we must remember that these supports reduce the loading capacity of the grates.



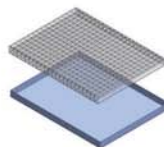
This type of installation is made by use of an inlet frame and a frame which protect floor against being damaged. Both elements are made individually according to ordered cleaning surface.



System ULTRA CLEAN can be installed into an existing floor and also with drive-on ramps. In both cases drainage from a bathtub has to be provided.

Bathtubs are available in sizes:

609x802mm



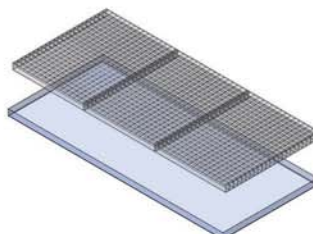
1212x802mm



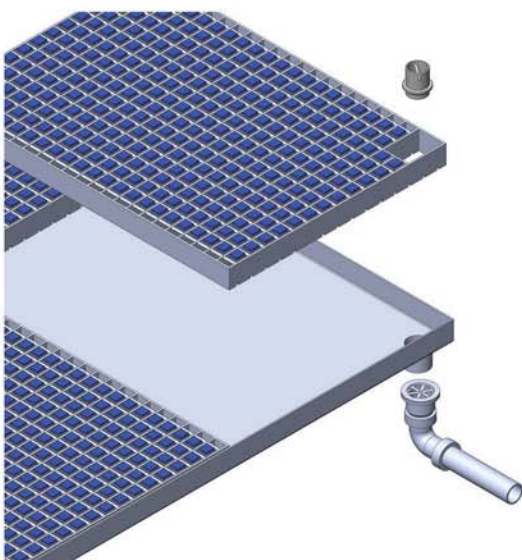
1597x1212mm



1815x802mm

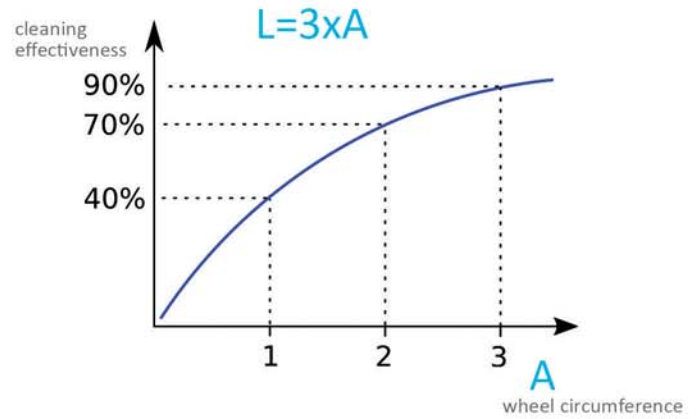


2392x1212mm



Length of the cleaning panel

It is recommended that every wheel of a vehicle should make three full turnovers on the cleaning system. In that case the cleaning effectiveness is approximately 70%.
L - cleaning panel length, A - wheel perimeter



System maintenance

To ensure proper performance of the cleaning system we recommend regular removal of the dirt accumulated under the grates and replacement of worn-out brushes. In order to do that, lift the system grates using a special lift truck (1) or hooks (2). Put the grates aside and remove (3) all the dirt and dust accumulated on the surface (wash if necessary). Clean the grate together with the brushes. Inspect the brushes and replace the worn-out ones. Remove the brush using a blunt ended rod and install a new one by pushing it into a slot in the grate.

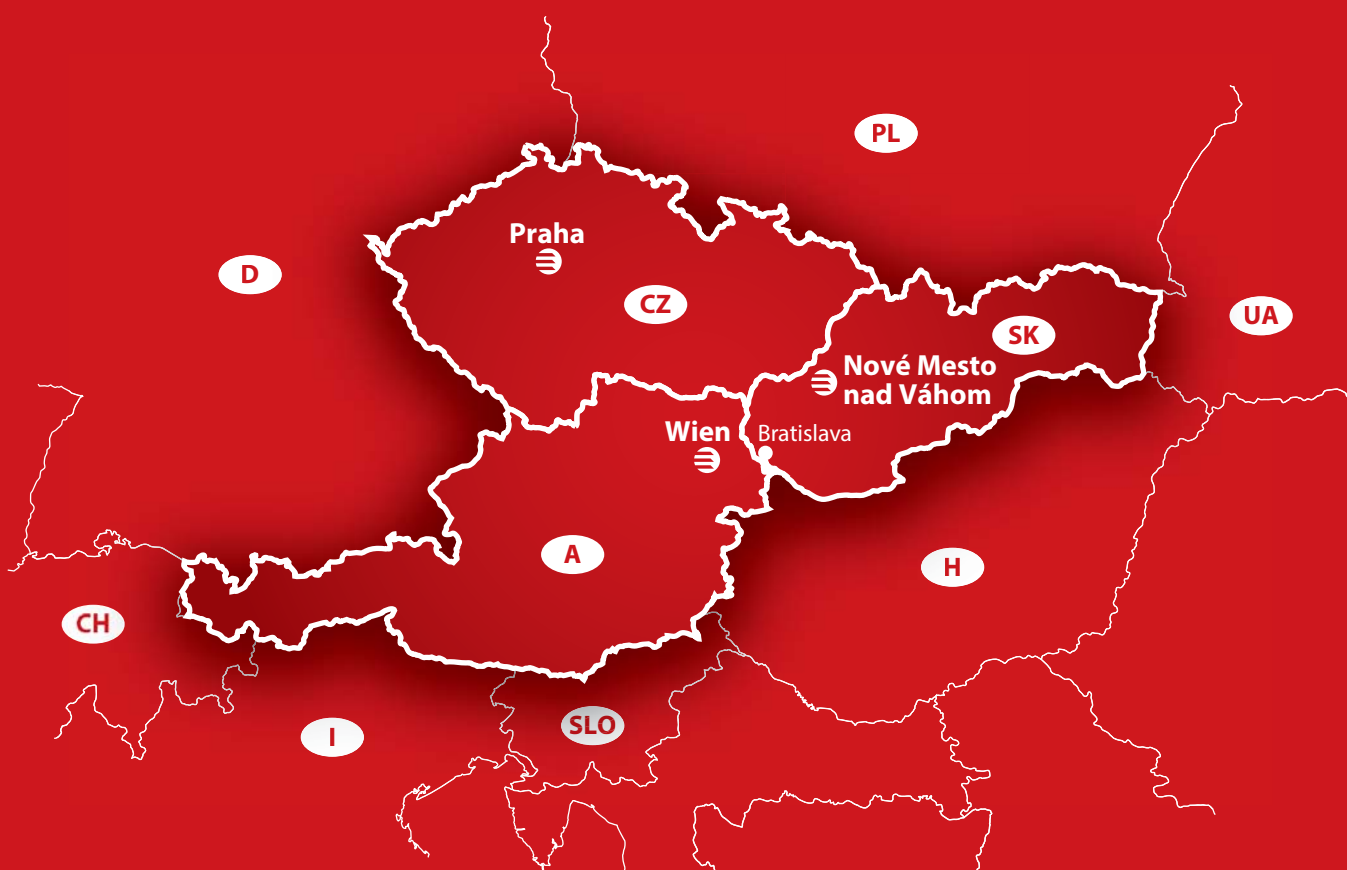


Brushes change



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