



Patented Sole and Tire Cleaning for the **Food Industry**

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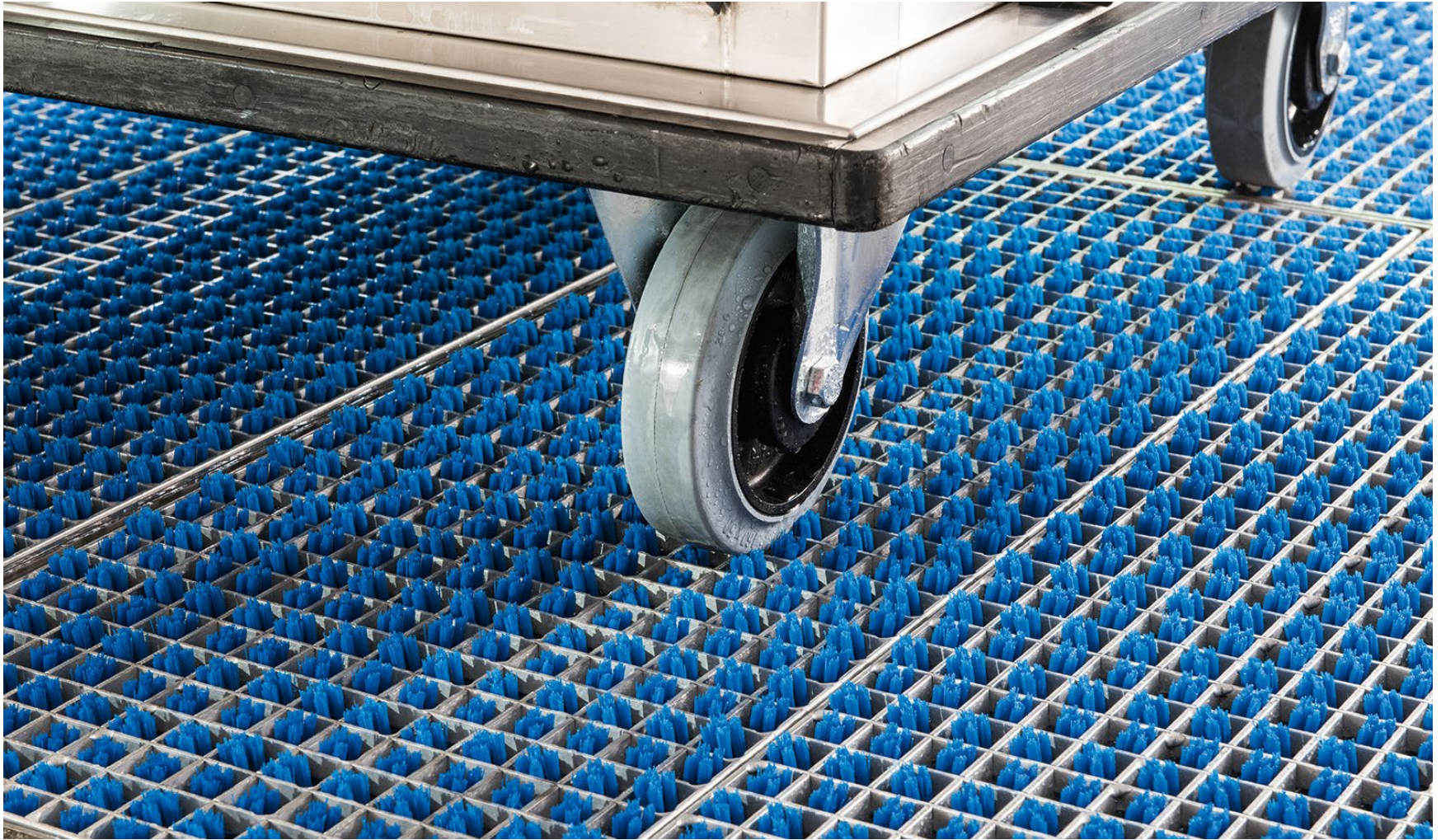


The Problem...

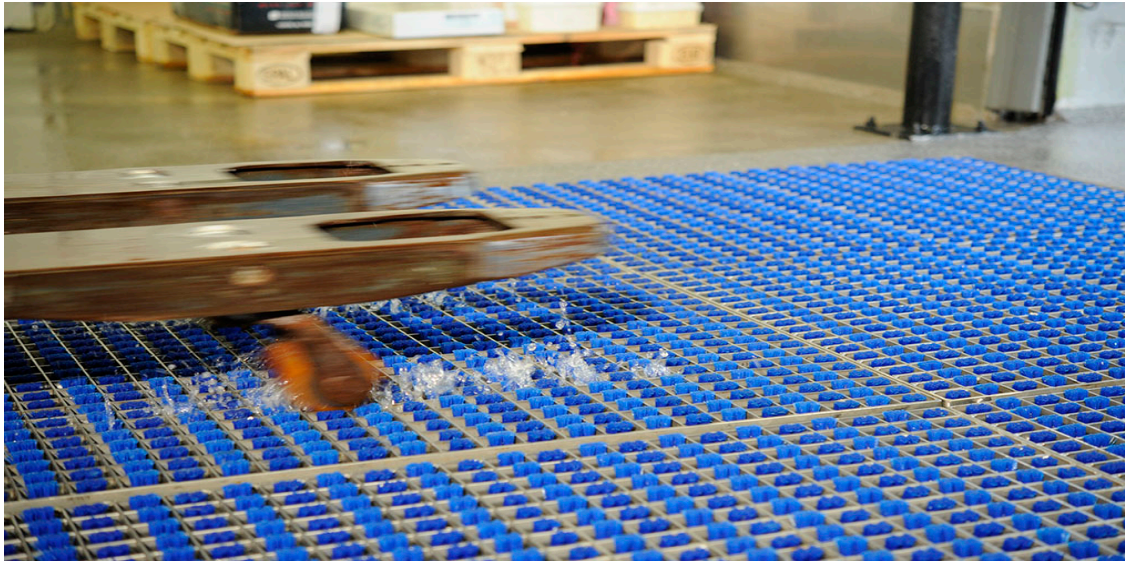


- dirt ingress into hygienic areas by tires and wheels of transport trolleys and by shoe soles of the employees
- strict regulations in accordance with the hygiene guidelines of HACCP, IFS, BRC etc. need to be complied with in order to guarantee food safety

...the Solution!



The Principle

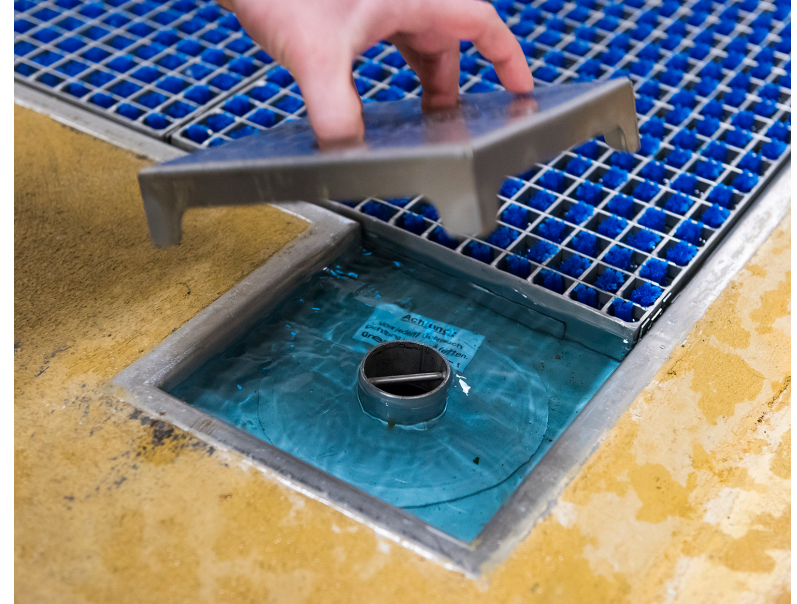


The ProfilGate®
Video is available here:



The Advantages

- improved hygiene
- tire treads are purely mechanical cleaned and disinfected in only one process
- high efficiency
- patented brush strips with slanted bristles
- long durability
- easy maintenance



Proven Effectiveness – Wet Cleaning



Scientific analysis of
microbiological effectiveness
using RODAC plates
and swab test

Proven Effectiveness – Test Results

		Rollers After application of MO + drying	Soles After application of MO + drying	Rollers After driving over the fields	Soles After passing the fields	Reduction
E. coli	RODAC – plate	Lawn/ 25 cm ²		141 cfu/ 25 cm ²		Significant reduction
	Swab	ca. 10 ⁵ cfu/ml *	ca. 10 ⁵ cfu/ml *	ca. 10 ³ cfu/ml *	ca. 10 ³ cfu/ml *	2log ₁₀ -Steps = 99%
Enterococcus faecium	RODAC - plate	Lawn/ 25 cm ²	Lawn/ 25 cm ²	46 cfu/ 25 cm ²	60 cfu/ 25 cm ²	Significant reduction
	Swab	ca. 10 ⁶ cfu/ml *	ca. 10 ⁵ cfu/ml *	ca. 10 ⁴ cfu/ml *	ca. 10 ³ cfu/ml *	2log ₁₀ -Steps = 99%
Aspergillus niger	Swab	ca. 10 ⁴ cfu/ml *	Not tested	ca. 10 ³ cfu/ml *	Not tested	1log ₁₀ -Steps = 90%

Lawn: proliferation of nutrient agar by microorganisms (MO) (more than 1000 germs per plate)

cfu: colony forming unit

* ca.: This is a semi-quantitative method.

Typical Applications



When is the Application worthwhile?



- in cases where strict hygiene requirements must be complied with
- in cases where there is a high risk of germ transmission
- in cases where in-house cleanliness is indispensable
- when a company is certified in accordance with hygiene guidelines such as IFS or BRC

Food Industry References





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