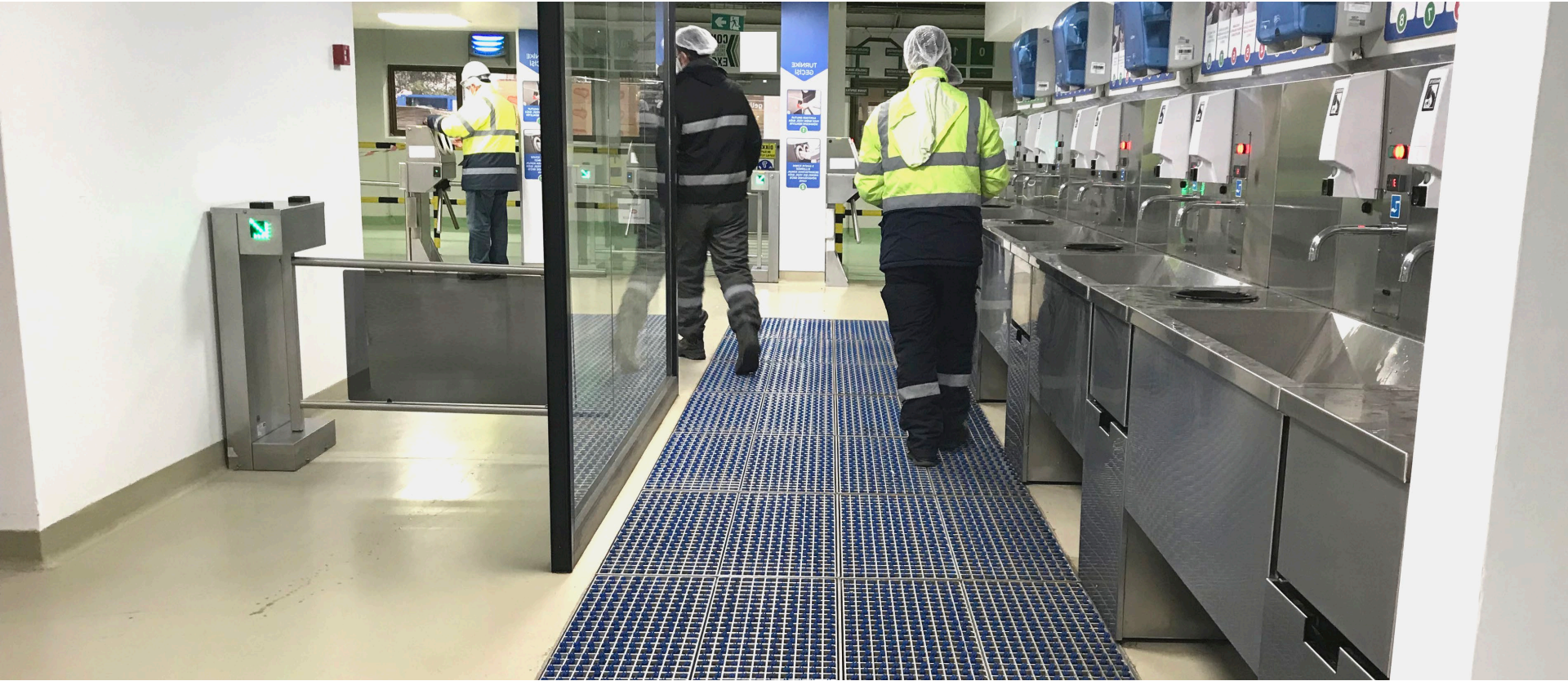




NSL Technology Resources (s) Pte Ltd
No 280 Woodlands Industrial Park E5,
#09-11 Harvest @ Woodlands,
Singapore 757322
Tel : +65 67957477, 7747 Fax : +65 63162368
Email : sales@nsstechnology.com



ProfilGate®



Patented Sole Cleaning System for the **Food Industry**

www.nsltechnology.com

a product of



The Problem...

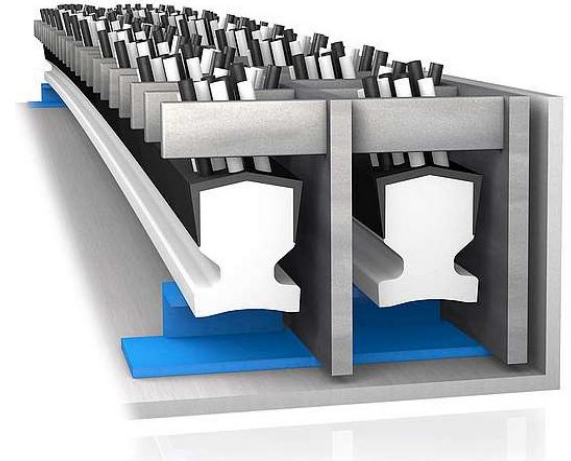


**Dirt ingress via
the shoe soles
of the employees**

... the Solution: Active Sole Cleaning!



The Principle



The ProfilGate[®]
Video is available here:



The Advantages

- purely mechanical cleaning of shoe soles
- high efficiency due to patented brush strips with slanted bristles
- Long durability due to solid grates
- easy cleaning and maintenance
- no energy costs



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 passing the fields	Soles after passing the fields	Reduction	
E. coli	RODAC - Plate	Lawn/ 25 cm ²	Lawn/ 25 cm ²	141 cfu/ 25 cm ²	Lawn/ 25 cm ²	Significant reduction (for rollers)
	Swab	ca. 10 ⁵ cfu/ml *	ca. 10 ⁵ cfu/ml *	ca. 10 ³ cfu/ml *	ca. 10 ³ cfu/ml *	No discernible reduction (for soles) **
						2log₁₀-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 *	2log₁₀-Steps = 99%
Aspergillus niger	RODAC - Plate	Lawn/ 25 cm ²	<i>Not tested</i>	Lawn/ 25 cm ²	<i>Not tested</i>	No discernible reduction
	Swab	ca. 10 ⁴ cfu/ml *	<i>Not tested</i>	ca. 10 ³ cfu/ml *	<i>Not tested</i>	1log₁₀-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.

** For reduction values in this range the RODAC method is often not sensitive enough

Typical Applications



When is the Application worthwhile?

- in cases where in-house cleanliness is indispensable
- in cases where the entering of dirt via the shoe soles of the employees shall be reduced
- in cases where workplace safety shall be improved
- in cases of high cleaning costs



Sole Cleaning References





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