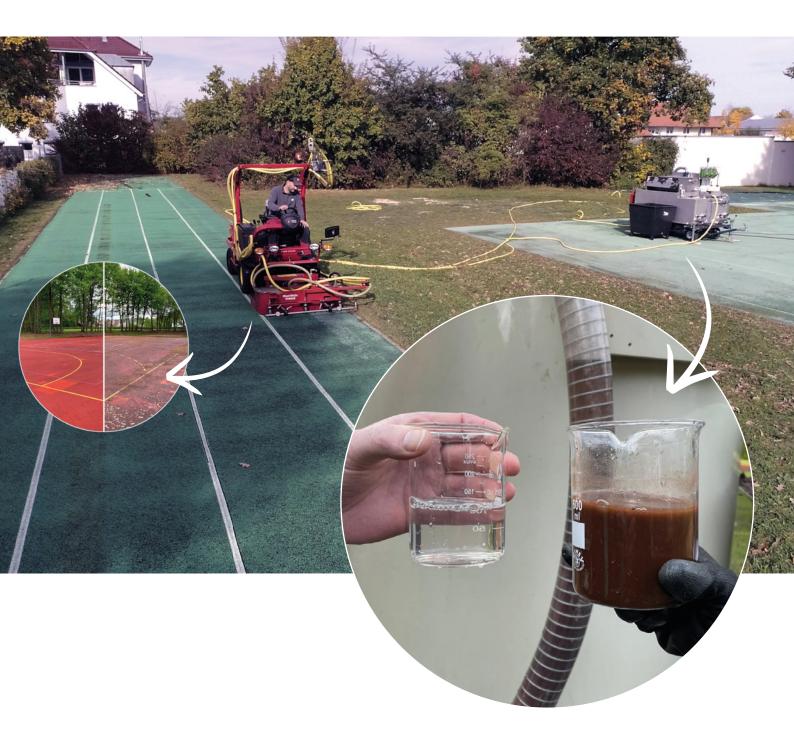
THE CLEAR PROOF OF A SUSTAINABLE CONCEPT FOR CLEANING AND WASTE WATER TREATMENT ON SPORTS FACILITIES – WASHMATIC WM800 AND CLEARMATIC CM1800 FROM SMG

The WashMatic WM800 uses its patented high-pressure water process to clean synthetic sports surfaces such as unfilled artificial turf, running tracks, multi-purpose playing fields and similar surfaces. The SMG world first ClearMatic CM1800, a mobile treatment plant, thoroughly removes pollutants from the dirty water taken in by the WM800. Like metals and microplastics, these are almost completely bound in the concentrated sludge and the water is treated in such a way that it is returned crystal clear to the WM800 and used there again for cleaning.

During a field test in Ursberg (Bavaria), samples were taken from the cleaning process and wastewater treatment and analyzed in the laboratory. The convincing results of the new complete system far surpass all previously achieved values and are unsurpassed in the industry worldwide.







The following water quality was achieved after cleaning the synthetic sports surface:

-99.0% LESS TURBIDITY -99.9% LESS IRON -96.2% LESS AMMONIUM N -99.9% LESS ALUMINUM -99.8% LESS PHOSPHORUS -99.5% LESS CSB (ORGANIC) -95.5% LESS KW INDEX





COMPLETE LABORATORY TEST AFTER FIELD TEST IN URSBERG (BAVARIA) RELEASE: 3rd February 2022

Water analysis in general*		Analysis of microplastics**				
Input	Output	Input	Output			
Sports ground	Sports ground	Sports ground	Sports ground			
D-Ursberg	D-Ursberg	D-Ursberg	D-Ursberg			
Analysis result waste water - dirty water	Analysis result waste water - clear run	Analysis result waste water - dirty water	Analysis result waste water - clear run			
6/18/21	6/18/21	6/15/21	6/15/21	Reduction	Target values / limit values Drinking water Excerpt or guideline values	Target values / limit values Waste water surface water (reference values)
5,66	7,48	./.	./.		approx. 6,8-7,2	6,5-10
977,00	381,00	./.		-61,0 %		locally different
>800,00	11,00	./.	./.	-99,0 %	1,0 NTU	locally different
<0,5	<0,5	./.	./.		1,5 mg/l	50 mg/
<0,08	<0,08	./.	./.		50 mg/l	50 mg/
100,00	0,04	./.	./.	-99,9%	200 mg/l	3 mg/
34,00	1,30	./.	./.	-96,2 %	0,5 mg/l	100 mg/
44,00	0,02	./.	./.	-99,9%	0,2 mg/l	2-3 mg/
21,00	0,05	./.	./.	-99,8 %	6,7 mg/l	50 mg/
10.000,00	55,00	./.	./.	-99,5 %	150 mg/l	800 mg/
2,00	0,09	./.	./.	-95,5 %	20 mg/l	100 mg/
./.	./.	<0,20	<0,20		EU regulations follow	EU regulations follow
./.	./.	<0,20	<0,20		EU regulations follow	EU regulations follow
./.	./.	<0,20	<0,20		EU regulations follow	EU regulations follow
		<0,20	<0,20		EU regulations follow	EU regulations follow
	and the second se	and the second se				EU regulations follow
		and the second se	Contraction of the second s			EU regulations follow
			and the second se			EU regulations follow
./.	./.					EU regulations follow
./.	./.					EU regulations follow
			and the second se		EU regulations follow	EU regulations follow
					EU regulations follow	EU regulations follow
					EU regulations follow	EU regulations follow
					EU regulations follow	EU regulations follow
./.	./.	<0,20	<0,20		EU regulations follow	EU regulations follow
./.	./.	<0,20	<0,20		EU regulations follow	EU regulations follow
						EU regulations follow
./.	./.	<50	<20		EU regulations follow	EU regulations follow
./.	./.	<50	<20		EU regulations follow	EU regulations follow
			<20		EU regulations follow	EU regulations follow
./.	./.				EU regulations follow	EU regulations follow
					EU regulations follow	EU regulations follow
						EU regulations follow
./.	./.	and the second			EU regulations follow	EU regulations follow
./.	./.				EU regulations follow	EU regulations follow EU regulations follow
	Sports ground D-Ursberg Analysis result waste water - dirty water 6/18/21 5,66 977,00 >800,00 <0,5	Sports ground D-Ursberg Sports ground D-Ursberg Analysis result waste water - dirty water Analysis result waste water - clear run 6/18/21 6/18/21 6/18/21 6/18/21 977,00 381,00 >800,00 11,00 <0,5	Sports ground D-Ursberg Sports ground D-Ursberg Sports ground D-Ursberg Sports ground D-Ursberg Analysis result water - dirty water Analysis result wate water - clear run Analysis result water - dirty water Analysis result water - dirty 6/18/21 6/18/21 6/15/21 5,66 7,48 ./. 977,00 381,00 ./. ×800,00 11,00 ./. <0,08	Sports ground D-Ursberg Analysis result water Sports ground D-Ursberg Analysis result water - clear run Sports ground D-Ursberg Analysis result wate water - clear run Sports ground D-Ursberg Analysis result wate water - clear run 6/18/21 6/18/21 6/15/21 6/15/21 5,66 7,48 ./. ./. 977,00 381,00 ./. ./. >800,00 11,00 ./. ./. <0,5	Sports ground D-Ursberg Analysis result water - dirty water Sports ground D-Ursberg Analysis result water - clear run water Sports ground D-Ursberg Analysis result water - clear run water Sports ground D-Ursberg Analysis result wate water - clear run Reduction 6/18/21 6/18/21 6/15/21 6/15/21 6/15/21 Reduction 5,66 7,48 ./. ./. ./. ./. ./. 977,00 381,00 ./. ./. ./. ./. \$800,00 11,00 ./. ./. ./. 100,00 0,04 ./. ./. 100,00 0,02 ./. ./. 10.00,00 55,00 ./. 2,00 0,09 10.000,00 55,00 1	Sports ground D-Ursberg Sports ground D-Ursberg Sports ground D-Ursberg Sports ground D-Ursberg Sports ground D-Ursberg Sports ground D-Ursberg Analysis result waste water - dirty water Analysis result water - clear run Analysis result wate water - dirty water - clear run Reduction Target values / limit values Drinking water 6/18/21 6/18/21 6/18/21 6/15/21 Reduction Target values / limit values Drinking water 5,66 7,48 /. . . approx.68-7.2 977,00 381,00 /. ./. . approx.68-7.2 900,00 11,00 ./. ./. . approx.68-7.2 100,00 0.0.64 ./. ./. . . 44,00 1,30 ./. ./. . .99,9% .20 mg/. 100,000 55,60 ./. ./. . .99,9% .2.0 mg/. 10.000,00 55,60 ./. ./. . .99,9% .2.0 mg/. 1. ./.

* Research / Analysis No. AB2108164/SMALOE21-ab

** Research / Analysis No. CAL-20-0978

More information about the WM800 and CM1800:



WashMatic WM800

ClearMatic CM1800

WM800 + CM1800 product video

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