

CIRIA C753

POLLUTION INDICES



Project No: 38844 Sheet No. 1
Made By: AL Revision: P1
Date: 17/04/2026 Project: BRAYDELLS PLOT 5

Land Use	Pollution Hazard Level	Total Suspended Suspended Solids (TSS)	Metals	Hydrocarbons	Applicable
Residential Roofs	Very Low	0.20	0.20	0.05	X
Other Roofs (typically commercial/industrial roofs)	Low	0.30	0.20	0.05	
Individual property driveways, residential car parks, low traffic roads, (eg cul de sacs, homezones and general access roads) and non-residential car parking with infrequent change (eg schools, offices) ie < 300 traffic movements/day	Low	0.50	0.40	0.40	X
Commercial yard and delivery areas, non-residential car parking with frequent change (eg hospitals, retail), all roads except low traffic roads and trunk roads/motorways	Medium	0.70	0.60	0.70	
Sites with heavy pollution (eg haulage yards, lorry parks, highly frequented lorry approaches to industrial estates, waste sites), sites where chemicals and fuels (other than domestic fuel oil) are to be delivered, handled, stored used or manufactured; industrial sites; trunk roads and motorways.	High	0.80	0.80	0.90	

Up to 0.8 where there is potential for metals to leach from the roof

These should only be used if considered appropriate as part of a detailed risk assessment. Refer to CIRIA C753

Total Suspended Suspended Solids (TSS)	Metals	Hydrocarbons
0.70	0.60	0.45

Total Polution Hazard Indices

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0



Project No: 38844 Sheet No. 2
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Type of SuDS Component	Total Suspended Suspended Solids (TSS)	Metals	Hydrocarbons	Applicable
Filter Strip	0.40	0.40	0.50	
Filter Drain	0.40	0.40	0.40	
Swale	0.50	0.60	0.60	
Bioretention System	0.80	0.80	0.80	
Permeable Pavement	0.70	0.60	0.70	X
Detention Basin	0.50	0.50	0.60	
Pond	0.70	0.70	0.50	
Wetland	0.80	0.80	0.80	
Downstream Defender® Vortex	0.30	0.20	0.20	
Downstream Defender® Vortex Plus	0.50	0.40	0.50	
Downstream Defender® Advanced Vortex	0.50	0.40	0.50	
Turtle Enviro - Storm Shark	0.80	0.60	0.96	
Klargester AquaTreat®	0.80	0.60	0.90	
SPEL Bypass Treatment	0.80	0.60	0.90	

Select Primary Mitigation: Permeable Pavement

Total Mitigation Indices	Total Suspended Suspended Solids (TSS)	Metals	Hydrocarbons
	0.70	0.60	0.70
Total Pollution Hazard Indices	0.70	0.60	0.45
Indices Balance	0	0	-0.25
	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE