

## Disinfection

### Instachlor and Steadichlor

Available in formulations to support instant disinfection or longer term dosing, Palintest's disinfection products are supplied in convenient tablet format delivering a defined dosage for new and existing infrastructure sanitisation.



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## Disinfection Instachlor



Instachlor provides a practical solution for applications in chlorination, disinfection and sterilisation. Instachlor PR tablets are a range of rapid dissolving chlorine release tablets for professional applications in water treatment, disinfection and emergency chlorination.

The tablets are prepared from an effervescent formulation containing sodium dichloroisocyanurate - an organic chlorine donor and dissolve rapidly when added to water to release chlorine into solution.

Quantity of water which can be treated with each tablet to provide the various chlorine doses referred to:

Code	Description	Volume of water (Litres)			Tablets
		for 1mg/L	for 2.5 mg/L	for 5 mg/L	
WT406	Instachlor - PR 5	5	2	1	500
WT415	Instachlor - PR 40	50	20	10	250
WT424	Instachlor - PR 150	150	60	30	250
WT442	Instachlor - PR 1000	1000	400	200	100
WT446	Instachlor - PR 1000	1000	400	200	300
WT448	Instachlor - PR 3000	3000	1200	600	200

Available chlorine concentration provided by each tablet when added to various volumes of water:

Code	Description	Available Chlorine (mg/L) provided			
		in 1 litre	in 10 litres	in 100 litres	in 1000 litres
WT406	Instachlor - PR 5	5	0.5	-	-
WT415	Instachlor - PR 40	50	5	0.5	-
WT424	Instachlor - PR 150	150	15	15	0.15
WT442	Instachlor - PR 1000	1000	100	10	1
WT446	Instachlor - PR 1000	1000	100	10	1

### Ordering Information

Code	Description	NaDCC	Available chlorine content	Nominal tablet weight	Tablet diameter
WT406	Instachlor - PR 5	8.5 mg	5.1mg	0.06g	5 mm
WT415	Instachlor - PR 40	67 mg	40.2 mg	0.35g	10 mm
WT424	Instachlor - PR 150	250 mg	150 mg	1.08g	16 mm
WT442	Instachlor - PR 1000	1.7g	1g	3.25g	18 mm
WT446	Instachlor - PR 1000	1.7g	1g	3.25g	18 mm

# Disinfection Steadichlor

Steadichlor provides practical solutions for applications in chlorination, disinfection and sterilisation.

Steadichlor tablets offer a simple and effective means of water chlorination without the need for complex dosing equipment. The tablets dissolve in water to give a slow steady chlorine release. The dissolving time is approximately four hours in flowing water or 12-24 hours in static water. Steadichlor tablets are prepared from calcium hypochlorite. In use, the tablets do not contribute any substances not normally present in treated mains water.



## Disinfection of water mains and tanks

The Steadichlor system is established as one of the simplest means of disinfecting new or repaired water mains and tanks. A feature of the Steadichlor system is the unique Palintest Chlorocol test, especially developed for the control of mains disinfection procedures.

Pipe diameter	Spacing between each tablet (metres) required to give minimum 30 mg/L chlorine dose
80 mm	3
100 mm	4
150 mm	6
200 mm	8
250 mm	10
300 mm	12
400 mm	15
450 mm	18

## Chlorination of water

Steadichlor tablets offer an ideal means of chlorinating water in tanks, wells or small reservoirs, and waste water in tanks or effluent streams.

The tablets should be used in accordance with standard chlorination practice depending on the water to be treated and the purpose of treatment.

Where chlorination is to be carried out to disinfect the water, a free chlorination residual of at least 1 mg/L should be achieved in the treated water. Note that it will normally be necessary to add a higher chlorine dose to satisfy the chlorine demand.

Volume of water to be treated	No. of tablets to give 1 mg/L chlorine dose
14000 Litres	1
28000 Litres	2
56000 Litres	4

## Ordering Information

Code	Tablet diameter
WT123	10 mm

