

## Treatment of construction site water - Carroflocc®

Since 1997, the SIA 431 standard requires the treatment of construction site wastewater. This includes concrete mixer wash water, which, after primary settling, must be treated before it is discharged into wastewater or clean water plastic pipes.

ATo meet these guidelines, Canplast developed **Carroflocc®**. This flocculation treatment apparatus added to a CO<sub>2</sub> treatment is economical, mobile and compact.

Carroflocc® meets the requirements of the ASPEE for discharge to wastewater or clean water and complies with the requirements of the DCPE 872.



### Description

The Carroflocc® consists of an upper tank with a capacity of about 600 litres, an agitator, a drain valve, a filter bag and a discharge outlet.

It is equipped with a complete CO<sub>2</sub> kit including fixing for a 30 kg gas bottle, a regulator and a 6 mm hose.

It is made entirely of high-density polyethylene which, despite its light weight, provides excellent resistance to corrosion and impact.

Its simple operation requires a minimum of manpower.

Dimensions : Ø 1200 mm • Height : 1750 mm

Weight : approx.190 kg

Treatment duration : approx. 15 min. per 600 litre cycle.



## Procedure for treatment

1. Fill the upper tray with water to be treated to the indicated level (about 600 litres per cycle)
2. Add a dose of powdered flocculant to the tank (100 gr/100 lt) and turn on the agitator.
3. When the flocs are formed, open the regulator of the gas bottle at 1.5 bar and let the CO<sup>2</sup> act for approx. 4-5 minutes.
4. Once the desired pH has been reached (control with pH paper), open the drain valve located under the tank, allowing the water to pass through the filter bag.
5. Evacuate treated water to clean or wastewater system.
6. Replace the bag as soon as it is full.

## Results of analyses carried out on site

### Treatment with flocculation and CO<sup>2</sup> gas

	elements	units	before treatment	After treatment
Work site N° 1	<b>Suspended solids</b>	Mg/l	179	<b>3.3</b>
	<b>pH</b>		12.1	<b>7.2</b>
Work site N° 2	<b>Suspended solids</b>	Mg/l	1386	<b>15</b>
	<b>pH</b>		11.9	<b>7.0</b>

**Carroflocc® sale price : CHF 5,480.-** (VAT and gas bottle not included)

Our price includes :

- ◆ Free on-site delivery
- ◆ Testing and commissioning of Carroflocc®
- ◆ Instruction and training of the staff responsible for the use of Carroflocc®
- ◆ Check and periodic verification that Carroflocc® is working properly for the duration of its use

**Consumption charge for 1 m<sup>3</sup> of water to be treated approx. Frs 4.20**

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### CO<sup>2</sup> gas bottle order :

Carbagas Lausanne (Tél : (+41) 021 621 11 36) : "Technical CO<sup>2</sup>" 40 litre bottle