



Water Treatment Products Ltd
Unit 1, Gilchrist Thomas Industrial Estate
Blaenavon, Pontypool NP4 9RJ
Tel- 01495 792790

Method Statement

Weekly Clean and Disinfection of Commercial Spa Baths

This Method Statement relates to Spa baths and Hot tubs used for commercial activities.

Preparation

1. Ensure that a full Risk Assessment is carried out by the responsible person prior to commencement of any work.
2. Read the MSDS for the Sanosil product you intend to use and ensure that you are wearing appropriate PPE (Personal protective equipment).
3. Ensure you have adequate stock of Sanosil and Sanosil test strips.
4. Mains water make up pipes must be isolated before the introduction of Sanosil. (Introduction of Sanosil to rising mains and water distribution system is covered under a separate Method Statement).
5. Prior to the cleaning sequence, the system should be checked for obvious dead legs, i.e. areas where a section of pipe still has water in it but is not part of the main flow. If there are any such dead legs, suitable alterations must be made to ensure that system water flow through them is achieved. Suitable access to the internal surfaces of the balance tank must be established.
Note; if applicable, ensure all regulations regarding working in confined spaces are adhered to.
6. Isolate the Spa with signs "Closed for Cleaning" and/or install barriers to ensure the system is not used during cleaning.
7. Calculate the volume of water in litres in the Spa and the amount of Sanosil product required as detailed in the Dosage Chart overleaf. For Spas that contain water that has been in use, higher levels of Sanosil may need to be added to achieve the desired reserve.

Procedure

1. Both duty and standby pumps should both be cycled and valves opened to ensure Sanosil contacts all surfaces and jets.
2. Add the required volume of Sanosil and circulate the Spa water to all jets. Check the water until a level of 150 ppm Sanosil has been achieved as indicated on a test strip. This will be represented by a dark blue colour on the test strip.
3. After 1 hour drain the Spa, or pump out the water using a submersible pump, taking care to ensure that there is sufficient local foul drainage to cope with the flow.
4. Manually clean all the accessible Spa surfaces with a proprietary cleaner such as **WTP Spa Shine** to remove scum, oils, fats and any gritty deposits in the bottom of the Spa. This may entail entering the Spa to reach the walls and floor of the Spa. If this is necessary, wear clean soft plastic over shoes to protect the Spa surfaces and to ensure no further contamination. Wipe away residual cleaning products with a damp cloth. Once clean, walls can be contact sprayed with **Sanosil S006** using the **Koala Pack system**.
5. Clean the Balance Tank. This may entail entering the tank to reach the walls, floor and roof of the tank. If this is necessary, wear clean soft plastic over shoes to protect the tank surfaces to ensure no further contamination occurs. Plastic tanks may only need a wipe down while metal tanks may have to be scraped and cleaned with a pressure washer. Tank walls can be contact sprayed with **Sanosil S006** using the **Koala Pack** system. Wet Vacs are usually employed to remove debris and water from the bottom of the tanks.

6. After completion of the clean the Spa and Balance Tank should be refilled with fresh water. The volume of Sanosil added in item 3. of this Procedure should again be added to the Spa water and circulated.
7. Test over a period of 10 minutes. If less than 150 ppm product is detected, add more Sanosil until 150 ppm is obtained consistently.
8. The system should now be left to stand for 1 hour to allow the Sanosil adequate contact time.
9. At the end of this one hour soak period, pump out the water to a foul sewer and refill with fresh water.
10. Immediately reinstate the appropriate Spa chemical treatments and oxidising biocides.
11. Finally, record all actions in the Spa Logbook and sign and date the cleaning record sheets.

Summary of Method

1. Read MSDS and ensure you wear the appropriate PPE (Gloves and Goggles/Safety Glasses etc).
2. Measure the Spa volume and calculate water capacity in litres.
3. Add volume of Sanosil as recommended by the Dosage Chart below to the Spa water and circulate.
4. Test until 150 ppm Sanosil is detected, circulate for 1 hour.
5. Drain and Clean the Spa and Balance Tank. Contact spray with Sanosil Koala Pack S006.
6. Re-dose and circulate for 10 minutes and allow to stand for 1 hour once a consistent level of 150 ppm is achieved.
7. Drain and refill with fresh water.
8. Reinstate chemical treatment programme
9. Record actions in the Logbook.

Dosage Chart			
Volume of product to be added to Water System to achieve 150 ppm as Sanosil			
Note s; Adhering to this Dosage Chart will ensure that the levels of Sanosil in the system are within the statutory levels for drinking water (Regulation 31 of the Water Supply (Water Quality) Regulations 2000 & 2001 in England and Wales).			
These quantities assume no natural oxidative demand from the Spa water. If there is any significant such demand a dose of Sanosil in excess of that calculated may be necessary.			
System Volume (litres)	Sanosil Super 25	Sanosil S015	Sanosil S006
200	30 ml	200 ml	500 ml
500	75 ml	500 ml	1250 ml
1,000	150 ml	1 litre	2.5 litres
2,000	300 ml	2 litres	5 litres
5,000	750 ml	5 litres	12.5 litres
10,000	1.5 litres	10 litres	25 litres

References

Regulation 31 of the Water Supply (Water Quality) Regulations 2000 & 2001 in England and Wales.

The control of legionella bacteria in water systems. HSE Approved Code of Practice and Guidance L8. Appendix 1 Check list 3

Health and Safety

This Method Statement relates specifically to the use of Sanosil products for the stated purpose and is based on extensive tests. Our advice is given to the best of our existing knowledge but is not binding insofar as application and the storage conditions lie beyond our direct control. The description of the products and details of the properties of the compounds do not subsume any liability for damage.

It is the responsibility of the user to ensure compliance with all relevant statutory regulations and recommended protocol. The use of the product(s) is detailed in the relevant Sanosil MSDS. All Health and Safety issues are the responsibility of the user who should carry out a full Risk Assessment prior to commencement of the any work.

