

“White Pool Dust” – How to Remove

Here’s how one customer removed the “White Dust” aka Calcium “build up” via “scaling” and an LSI* that’s been too far to the positive, <0.3 .

Here (Left) you can see a cloud of “white dust” in front of the broom on a step.

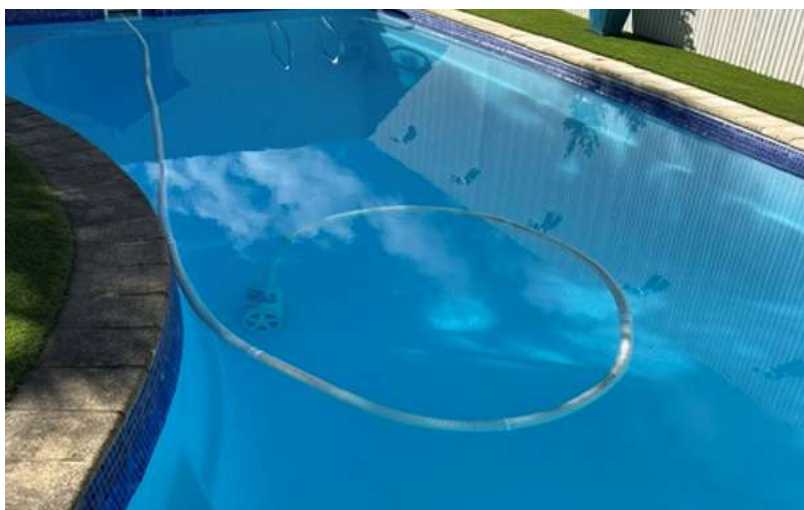


This is often called calcium drop out and is the result of scaling. Can be seen at water line and below, (above right). Scaling can occur when the LSI* is above $+0.3$ for a (short) period.

This is how one pool owner dealt with it (DIY – Salt water chlorinated)

Before (left) where the suction hose disappears into the murky water.

And once treated, (below) how you can see the whole suction hose to the bottom of the pool.





You may also see a cloud of white when you rub your hand along the walls below the water line and even some paint pick up as well.

If you see any of these aspects, don't delay, best start work on the problem. Don't let it get worse and ruin your pool, your equipment and your enjoyment.

The process was:



1. Get the pH correct for flocking
2. Use the correct amount of **Flocking Powder** for the pool volume, add correctly and broom walls.
3. After 24 hrs vacuum to waste without stirring up the residue on the floor. (If you do this means "dust" still in your pool, see #5 below)
4. Refill pool to normal level and run pool filtration as per normal, for a week.
5. If still not clear, then used a **Clarifier** to clump the remaining fine "dust" into larger particles, run the filter 24 – 48 hrs to remove the remaining residues.
6. Repeat step 5 if needed, back washing filter or washing cartridges, as needed



"Hi Chris, hope your well, just an update on the pool "white dust buildup "

After the initial flock and two rounds of clarifier and countless filter clean outs the dust effect is almost not noticeable

I check the PH regularly and chemical balance fortnightly (my own strips against the pool shop water test) very similar readings"

"Thanks again Chris for your interest in sorting this out for me"

Sid Five Dock NSW

*What is LSI or Langelier Saturation Index?

Your LSI is the overall state or balance of your pool water.

Water (in a pool) will always try to get back to its natural balance. Means if it has too much calcium (over saturated) or high positive LSI, it will deposit the excess calcium on the pool surfaces, until its back in balance, or with LSI of zero. So, if you see a scale forming this is the reason.

By comparison if the LSI is negative, or undersaturated, then its short of calcium and will do whatever it can, to find it. This can be the cement-based surfaces, (which it will eat) or if painted – fibreglass, will cause attack on metal fittings, in the pool and the plumbing – heating system. And the water being out of balance and having trouble finding enough calcium, loses its "buoyancy" and can no longer hold dissolved solids in suspension, and they drop out "overnight", leaving a dull grey – brown, dirty looking deposits on all pool surfaces

For more info contact us or see here:

<https://poolpaint.com.au/info-sheets/information-about-pool-water-chemistry/>