

CASE STUDY - OFFICE BLOCK (High Humidity)

CS002

Client: Office Building - Queensland



Situation:

An office block in Queensland is located in an area that experiences almost 100% humidity at certain times of the year. This condition leads to a significant mould infestation on all indoor surfaces, including the air conditioning ducting.

To address the infestation, the building underwent expensive remediation on a regular basis. The facility managers also fitted a separate dehumidifier inside the air handler. The remediation plan previously adopted had no longevity.

Treatment:

A microbial contamination study was carried out over one week. During this time, the humidity range was recorded at 68%, with temperature ranging between 29 - 33°C.

Test methodology:

1. As standard practice, a baseline reading was taken prior to introducing SAN-AIR into the system.
2. Two sizes of SAN-AIR were placed into the Plant Room; 75g and 500g gel packs
3. At the end of the week, readings were taken again; Microbial tests were taken from different return air points to obtain comparison readings

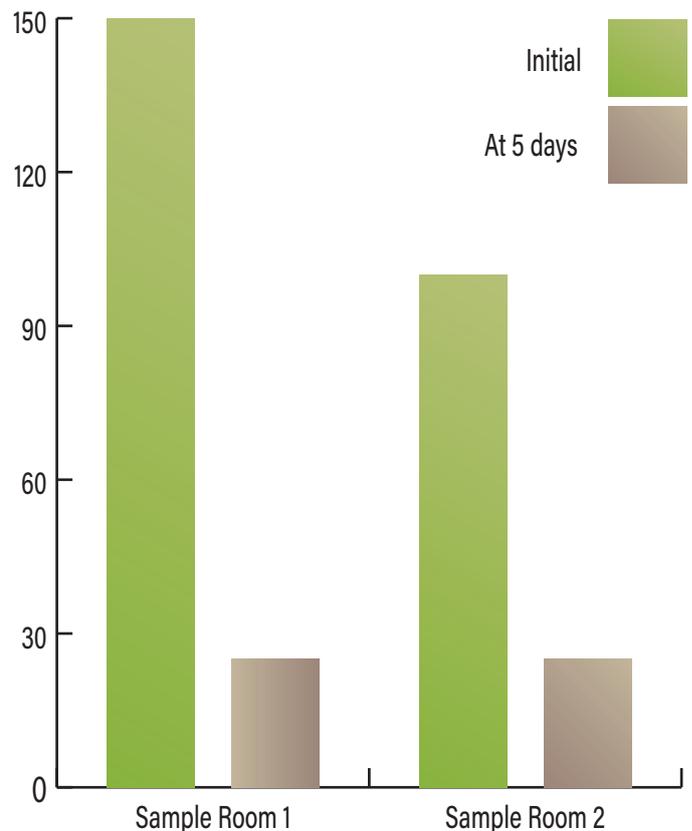
Result:

- In both cases, there was at least a 75% reduction in mould counts
- Mould reappearance did not occur
- Four months later, staff in the building commented that the musty smells were gone and that they were pleased that the indoor air felt fresh
- The air conditioning coil fins looked visibly clean

Conclusion:

SAN-AIR was able to reduce the mould counts by 75%, even in an environment prone to high humidity.

Colony Forming Units (CFU)



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p: 042 4200 e: sales@sanair.com.au w: san-air.com.au