

CLEANCOAT

Flower importer



CleanCoat Treatment of Cold Storage of Flowers

A Swedish flower importer, having 1 display cooling cabinet and 1 cold storage room for flowers, importing from around the world, has suspected high bacteria and harmful organism levels as durability of the cut flowers were very volatile. Up to now, the level of bacteria and harmful organisms were not measured. The employees working daily in the cold storage room, were wondering whether such environment could cause health risks due to the strong odours, mould and mildew.

Location

- Blomsterhall, Oxie, Sweden.
- Floor area in cold storage room 125 m² - total area of the walls and ceilings to be treated 480 m².

Description of Problem Before Treatment with CleanCoat

- Extremely high bacterial level in the cold room.
- An unpleasant, stuffy smell.
- A unhealthy working environment.
- The shelf life of the cut flowers reduced because of high level of bacteria and harmful organisms.

Treatment

- Preparatory cleaning of the cold storage room.
- Application of CleanCoat on walls, ceilings and cooling unit.
- APT measurement before cleaning and treatment with CleanCoat.
- ATP measurement after treatment with CleanCoat.

Result After Treatment

- 2689 ATP units before treatment in a cold room with 3 degrees C, after only 1 hour the value was 0.
- 3264 ATP units before treatment in a cold room with 12 degrees C, after only 1 hour the value was 52.



Cold Room, Temperature 3°C:

ATP units before treatment	ATP units after 30 sec.	ATP units after 1 hour	ATP units after 4 months
2689	610	0	10

Cold Room, Temperature 12°C:

ATP units before treatment	ATP units after 30 sec.	ATP units after 1 hour	ATP units after 8 months
3264	500	52	31

- A fresh smell and a healthy working environment was achieved due to the drop in bacterial levels.
- Cut flowers have longer durability when the bacterial level is constantly low in the fridge.
- Mould and mildew removed.

Catalyst for a clean and healthy environment