



**SURFACE
PREPARATION
& COATING**

Petrochemical Tanks



APPLICATION



**Property Damage
Restoration**



**Temporary
Humidity Control**



**Property Damage
Prevention**

Overview

Due to the aggressive environment within which the typical petrochemical storage tank resides; the harsh contents and the extreme weather conditions they are often exposed too, means the re-coating of these vessels is a necessary demand. The vast size of the tanks, the difficulty in logistics and the tight schedules are often challenging requirements for a contractor to meet.

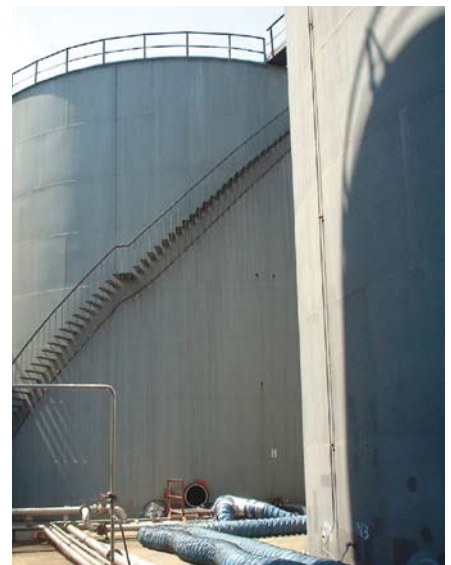
Moisture and temperature is a constant threat to coating success during petrochemical tank projects. Whether its corrosion, condensation, paint that will not dry or blushing due to excess moisture or temperature, the problems are real and costly. The loss of productivity, materials and man hours due to moisture problems or unexpected weather conditions can directly affect the cost of any project.

Temporary climate control equipment to assist in the recoating of tank coating projects is quickly becoming the norm in the industry. Whether the specifications ask for specific humidity levels or temperatures, Munters has the technical ability and equipment to provide a detailed solution to ensure success.

One way to tackle these demands is to ask for solutions that require experience, equipment innovation, engineering expertise and of course the people to ensure success every time. The use of Munters' temporary desiccant dehumidifiers and heaters and air conditioners will provide the optimum environment to sand blast and re-coat the interior of any petro-storage tank. The contractor can complete their project without the threat of flash rusting, material blushing or weather related interruptions.



Gas Tanks.



Oil Tanks.



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New paint is applied in several layers to the clean steel structure.

PROCEDURE

In order to ensure that the equipment is tailored specifically to each tank, the following detailed information is necessary:

- Size of the tank
- Ventilation rate
- External weather data
- Product specifications
- Tank openings
- Site logistics.

Only when this information is compiled and analysed can the suitable equipment be selected. Munters personnel can then engineer the equipment for specific applications to meet the desired specifications for the project.

Munters technicians' service and check the equipment, ducting and ancillary items prior to delivery. After delivery to the site, the equipment is then placed in a designated area, positioned close to a power supply and set up to maximise the safe operation of the unit.

Munters state-of-the-art desiccant dehumidification systems are utilised to deep dry the ambient air which ensures that the moisture level in the tank is

low enough so as to reduce corrosion growth. Temporary cooling and heating equipment is provided to control temperature conditions within the storage tank which can directly affect the curing of a specific coating type. Munters provides a turnkey solution with well engineered equipment offering around the clock service that is unmatched in the industry.



Munters dehumidifiers alone, or with other equipment, deliver results.

RESULTS

Munters experienced and highly trained staff can consult customers on the best solutions for their tank projects. By utilising Munters' state-of-the-art climate control equipment, conditions are closely controlled to maintain surface dew point and temperature throughout the re-coat process. This technology ensures that the contractor receives only the equipment required to meet the project specifications while maximising efficiency and guaranteeing the highest possible results.

BENEFITS

Benefits of utilising climate control for tank coating applications:

- Eliminates the blast and coat cycle
- Reduces weather related work delays
- Improves production rates and quality of work
- Extends coating life by providing optimal conditions during application
- Allows a monolithic spray of each coat under proper climatic conditions
- Eliminates the traditional blast, clean and prime cycle
- Provides ideal humidity and temperature conditions for 'holding the blast'
- Reduce fuel costs due to Munters highly efficient dehumidifiers requiring lower power costs in comparison with using only heaters.