Problem definition

Transport containers of the port company in Abu Dhabi heat up extremely in the sun, which damages the materials stored in them.

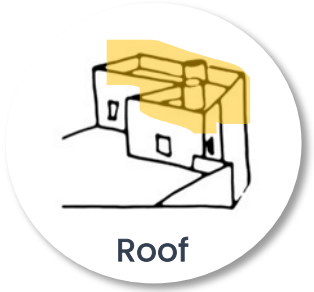
Refrigerated containers, on the other hand, require an extremely large amount of energy to maintain the desired target temperature.

A solution was sought to reduce the heat load in the containers in order to conserve material, goods and energy resources. and energy resources.

Solution

The solution was to coat the containers all around with **ClimateCoating**.

In an extensive series of tests, the internal temperatures and energy consumption of containers with and without **ClimateCoating** were compared.



Container Abu Dhabi

ClimateCoating roof and wall coating
Avoidance of heat build-up in the container

Result

The container with the ClimateCoating heated up much more slowly than the standard container. At maximum, it was over 10°C colder inside than the comparison container.

The refrigerated container (target temperature -17°C) had a significantly more even average temperature and required almost 15% less cooling energy than the uncoated comparison container.

Interested? Then please contact us.

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