

Reference Monterey Pasta Factory

Situation and problem definition

The factory has a flat roof and is exposed to direct sunlight in a hot climate all year long. This causes heat build-up underneath the roof top and causes the air conditioning systems to consume a lot of energy.

Advise

Apply Supertherm on the roof to reflect 95% of the sun radiation (IR, UV and visible light) to reduce the heat build-up underneath the roof.

Conclusion

After application, all treated surfaces are smooth and protected for at least 10 years and the heat build-up is reduced drastically with up to 15 degrees Celsius. Air conditioning is using far less energy and the working climate has improved.

Pictures

After application of Supertherm on the left part of the roof:



IR picture after application:

