

## FOOD DISCOUNTER SHOP, TRIANA, SPAIN

Triana, Seville district, Spain

2018

International food discounter shop

Roof Waterproofing System: single-ply membrane Sarnafil® TS 77-18 RAL 9016 SR

### PROJECT DESCRIPTION / NEEDS

Seville is characterized by mild average annual temperatures, dry autumns and one of the highest number of sunny days per year and warmest cities in Europe. Thus, the owner was very interested in any cool roof solution, able to reduce the heat absorption, and reducing the building's cooling energy consumption and cost.

Besides the energy related considerations the owner was looking for a long lasting and high quality roofing system for a total roof area of 1500 m<sup>2</sup>.

### APPLICATION / UTILIZATION

The reflective Sarnafil® TS77-18 RAL 9016 SR membrane was installed over one layer of 100 mm thick PIR insulation boards, and then mechanically fastened with Sarnafast fasteners.

Main products / systems used:

- Sarnafil® TS77-18 RAL 9016 SR (1'500 m<sup>2</sup>)
- Sarnafast fastening system (mechanically)
- Sikatherm PIR GT (100 mm)

### CUSTOMER BENEFITS

The results of a specific calculation demonstrated that installing the white Sarnafil® TS77-18 RAL 9016 SR membrane provides cumulated energy saving of around 60 MWh over 20 years of service life (vs. a membrane in beige color).

