**DATA RECEIVED FROM CARREFOUR ITALIA**

*Application Cool Roof on Assago Hypermarket*

Energy Manager : Mr. Giovanni Piano

original surface application on roof



…. on roof top final result



**CONSUMPTION DATA**

Sales area: 16.000 sqm. - sales area internal height: 7 mt.

Diesel consumption (average years 2004-2010): 150,000 liters / year

Natural gas consumption in 2011 (with new condensing boilers with natural gas): 95,000 mc

Total average annual electricity consumption: 7,000 MWh

***Consumption (weekly) measured on multimeters CDZ (week average for the period July-August):***

1. WITHOUT COOL ROOF

2007: 44.573 kWh - 2008: 46.783 kWh - 2009: 46.627 kWh - 2010: 45.259 kWh

average : **45.810 kWh**

1. WITH COOL ROOF

2011: **33.500 kWh (-27%)**

