



### Lamborghini new factory: first example of Italian industrial building certified in Class A.

On 5th July the new Lamborghini industrial building was inaugurated at the presence of Italian Ministry of Environment and Territory, Mr. Corrado Clini. The new multi-level building stands in Class A according to the directive 2010/31/EU of the European Parliament and of the European Council. In the heart of the land recently struck by an heavy-impact earthquake, one of the most important Italian industries, well-known worldwide for its fast and fashionable cars, links itself with efficiency and sustainability realizing an high-performance building able to grant an yearly energy consumption of less than 8 kWh/m<sup>2</sup>.

The new building called "Protoshop", addressed to host the preparation of new cars prototypes, was designed and engineered by Prospazio using either special-sided triple-layers polycarbonate walls and ventilated façades with ultra-thin ceramic sheets, performing a very insulating structure. Even in the choice of finishes and coating materials, only 100% environmentally friendly products were used, reducing wastes and demonstrating the company's "green" choice.

**Dott.Gallina** was chosen by Prospazio together with the company in charge of steel fabrication and system assembly, Marco Lazzaro s.r.l., since it was able to meet the high level of standards specified in the project.

A special solution composed of three different layers (**Arcoplus® 626 with IR treatment + Policarb® 8 mm + Arcoplus® 6124**) linked with an exclusive polycarbonate connector was studied by dott.Gallina Technical Office to satisfy the customer's request.

The system complies with two technical issues underlined in the initial project: a very translucent façade able to let workers do their job with limited use of artificial light and at the same time an extremely low thermal waste to manage the temperature and to maximize the level of comfort within the building.

**Arcoplus® 626** multiwalls panels have been specifically produced in a special transparent black color. Sheets applied externally were produced with the new technology leading to the overthrow of the

**IR radiation**, ensuring correct lighting and high level of thermal insulation, basic features for a space dedicated to the creation of Lamborghini prototypes!

An **IR special treatment** absorbs the part of the solar spectrum relative to the infra-red rays (from 780 to 1400nm), blocking effectively the solar heat, while letting the visible solar light through.

The result is a reduction of the internal transmission of heat and a reduction of the cost for cooling the area. In fact all the products from the **IR line** contribute in reducing the heating up to 25% while keeping the maximum light transmission.

