

## **Creativity and more**

The “Fuori Salone” of Ama Composites has been designed like a museum exhibition style around its products, with a clear trend towards "green" solutions . In evidence the insulating panel called “Aeropan” by Ama Composites, that among the professionals, is recognized to be the top of the range between the panels for thermal insulation.

Its minimum thickness (only 10 mm), the high insulating power ( $\lambda = 0.015 \text{ W / (mK)}$ ), the insulating material based on Aerogel (one of the lightest substances known up to now, composed by 98% air and 2% amorphous silica) it differ a lot from the conventional insulating panels which, having a thickness more important, in cases of renovations or building retrofitting, require structural and expensive modifications as well as lengthier installation time.

Aeropan, because of its technical features which make it unrivaled and unique in the building sector, allows you to avoid to “disrupt” your home: its 10 mm only, in fact, avoid the necessity to replace windows and sills in the interior spaces.

From the evolution of “Aeropan” Ama Composites has designed the “Aktivepan”, a patented thermo panel that combine maximum performance insulation with the fastest and most innovative heating system .

The insertion of a carbon-based film with an extremely thin thickness (60 microns) allows to combine an effective increase of the thermal performance of the walls, to a system of radiation electric at low voltage (24V) innovative and non-invasive.

Aktivetpan has been designed in order to get rid permanently any problem related to thermal bridges and mildew, the whole with an integration absolutely noninvasive, but rather, aesthetically pleasant in the existing housing heating system . The aspect of this thermal vector it can be that of a classic mineral plaster or wishing, that of a special home decorative Item for interiors, combined with special decorations with different technologies or photographic images of whatever nature.

The secret : the thermal source is an almost impalpable innovative film, ultra-light, ultra-flat and with a thickness of 0.1 mm, but "very important" for its efficiency. In fact, when tiny carbon fibers, in the form of conductors under plaster, convert electricity into real heat of an infrared appliance with a power up to 300 W for conductive line ; the comprehensive living comfort increases significantly .

Aktivepan is available with thermal film hicoTHERM <sup>™</sup> 220 (thermal power of 130 W / conductive line) connected to the room thermostat through thermal

sensor; the temperatures are variables for a comfortable climate, up to a maximum of 40 °C. For proper operation of the system you need just a small transformer switching low voltage (24V) . Gardening Line. The furnishing elements that Ama Composites is currently studying are linked to a vision of future scenarios of metropolitan life and strictly joined to the “Green Philosophy” by a direct line between fashion, trends and architecture and are studied & realized for the green of the modern spaces as gardens, terraces, offices or communal areas.

These products and ideas completes the” museum itinerary” of Ama Composites, conceived as an exhibition of all the contemporary living comfort .

Ama Composites analyzes and creates ideas (subordinated to contemporary trends)

bringing them innovation and latest technology solutions, without forgetting the values and the culture typical of our Country.