

Metz, France: DuPont™ Energain® phase change material at Busipolis building twice awarded for its excellent energy performance

The building of the SARL Busipolis company, in Metz (France) has received two awards for its excellent energy performance, one from the « Prebat » competition for Lorraine region and the other from the « Lorraine Qualité Environnementale » (<http://lqe.fr>). This office building (1950 sqm) has a total energy consumption of 38 kwh/sqm per year.

The steel and glass structure incorporates more that 500 square metres of DuPont™ Energain®, the innovative phase change material from DuPont. It has been installed behind the walls and in the false ceilings, inserted between the Rockwool and the gypsum board, in order to bring the required thermal inertia and increase the comfort in the building. A « free cooling » system connected to the ventilation system is used to refresh the rooms when necessary and activates the phase change of the DuPont™ Energain® panels.



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The owner, Maître Hervé Pierson, who has had his office on the first floor of the building since January 1st, 2010, has studied the new technologies and processes that help to reduce the energy and water consumption. Since being introduced to the phase change materials, he stated that « DuPont™ Energain® is the best performing system ».

An unexpected benefit linked to the use of this new product from DuPont has been noticed by the plasterer: the gypsum panels, installed during the cold season, took benefits from the DuPont™ Energain® panels, in drying more quickly than usual.

The left aisle of Busipolis building, presently on construction, will also use the DuPont™ Energain® solution.

About DuPont™ Energain® (www.energain.co.uk) DuPont™ Energain® is a long-lasting thermal mass solution for environmentally sustainable buildings, based on an innovative phase change material from DuPont. Available in light-weight and easy-to-install panels, it is suitable for “low-inertia” structures such as timber, steel or aluminium framed buildings, this ground-breaking product can help to reduce interior temperature peaks by as much as 7°C, optimizing comfort levels and helping to save energy. DuPont™ Energain® decreases air conditioning costs (up to 35%) and heating costs (up to 15%) and can therefore make a meaningful contribution to reducing the carbon footprint of a building.

Owner: Maître Hervé Pierson, Etude Acta, place du Forum 57000 Metz
Architect: Gérard Hypolithe, 3 rue de l'Argonne 57000 Metz - 03 87 50 52 09
Developer : DM Ingénierie, 7 chemin de la Moselle 57160 Scy-Chazelles



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About DuPont Building Innovations - DuPont™ Energain® is a product of DuPont Building Innovations. From innovative energy-saving systems to beautiful and long-lasting surfacing solutions, the overall offer of DuPont Building Innovations is able to deliver safety, durability,

beauty and energy efficiency, providing a major contribution to the modern built environment - including every kind of building and architecture, roads, bridges and other infrastructures and also gardens, as well as to the preservation or the renovation of existing and historical constructions.

The best known products and brands of DuPont Building Innovations are DuPont™ Corian® (high-tech surfaces for interior design and architecture), DuPont™ Zodiaq® (quartz surfaces for interior design), DuPont™ Tyvek® (advanced building membranes), DuPont™ Energain® (panels for energy consumption reduction), DuPont™ Typar® (geosynthetics for construction), DuPont™ Plantex® (geosynthetics for landscaping) and DuPont™ Gevity™ (building integrated photovoltaic modules).

About DuPont - DuPont is a science-based products and services company. Founded in 1802, DuPont puts science to work by creating sustainable solutions essential to a better, safer, healthier life for people everywhere. Operating in more than 70 countries, DuPont offers a wide range of innovative products and services for markets including agriculture and food; building and construction; communications; and transportation.

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