

DuPont™
Energain®

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



DuPont™ **Energain®**

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.

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.

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Architect: Gérard Hypolithe, 3 rue de l'Argonne 57000 Metz
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