

News Release



BASF provides advice and products for Jaguar Land Rover's New Energy Efficient Academy

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BASF, the chemical company, provided advice and products to help Jaguar Land Rover create an energy efficient Technical Academy for its dealer technicians and apprentices.

The Academy, which opened today (January 20th) in Warwick, coordinates and conducts all product and systems training for technical staff employed in the Jaguar Cars and Land Rover UK and international dealer networks.

BASF, the leading raw material supplier to the construction industry, assisted Jaguar Land Rover with the renovation of the new Academy building by offering advice and solutions for environmental efficiency and by helping to source sustainable materials for the project.

The completely refurbished building, which incorporates a host of energy efficient solutions, will provide the blueprint for all future Jaguar Land Rover construction projects.

An energy consultancy team from LUWOGÉ consult, a subsidiary of LUWOGÉ, the real estate company of BASF, carried out a thermal assessment of the building's fabric and its heating and power systems. This revealed that without improvement the building would

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emit 417.9 tonnes of carbon dioxide a year. Using new products and sustainable building solutions suggested by the BASF consultants, Jaguar Land Rover hope to cut this to 175 tonnes.

To reduce heat loss through the walls and roof, over 4,500 square metres of spray foam insulation was applied to the inside of the steel structure. Elastopor[®] H, from BASF subsidiary Elastogran, forms a continuous, even insulating layer, with no joints, gaps, or thermal bridges. It has a much better thermal conductance than other insulating materials with the same layer thickness, helping to significantly reduce the cost of insulating and waterproofing the building.

Instead of using conventional air conditioning in the classroom areas, the design team chose SmartBoard[™], an innovative new plasterboard from Knauf. SmartBoard[™] incorporates Micronal[®] PCM, a BASF phase change material consisting of microscopically small polymer spheres containing a wax storage medium. When the temperature rises, the phase change material inside the polymer capsules absorbs heat and melts. When the temperature falls, the liquid solidifies and emits heat. This ensures a more uniform room temperature without the carbon emissions and costs associated with conventional air conditioning.

About BASF

BASF is the world's leading chemical company: The Chemical Company. Its portfolio ranges from oil and gas to chemicals, plastics, performance products, agricultural products and fine chemicals. As a reliable partner BASF helps its customers in virtually all industries to be more successful. With its high-value products and intelligent solutions, BASF plays an important role in finding answers to global challenges such as climate protection, energy efficiency, nutrition and mobility. BASF has more than 95,000 employees and posted sales of almost €58 billion in 2007. BASF shares are traded on the stock exchanges in Frankfurt (BAS), London

(BFA) and Zurich (AN). Further information on BASF is available on the Internet at www.basf.com.

Note to Editors:

Photographs can be downloaded from [**www.media.landrover.com**](http://www.media.landrover.com)