

BIOMASS POWER PLANTS

At these locations we operate biomass power plants (Brilon, Wismar and Unterradlberg), or respectively biomass heating plants (Rion and Hexham). Biomass power plants generate electrical energy through the combustion of biomass. Biomass heating plants by contrast only generate heat for thermal oil heating and the generation of heating gas. In comparison to the combustion of natural gas, our biomass power plants save approximately 640,000 tons of CO₂ per year, which corresponds to the heat requirement of approximately 140,000 households. In addition we thereby feed electricity to the extent of approximately 290,000 MWh into the public networks, which is the requirement of approximately 44,000 households.



BRILON, since 1991, extension 1993 and 1996.
Combustion heat performance: 150 MW
Steam performance: 165 t/h



WISMAR, 1999, extension 2006.
Combustion heat performance: 80 MW
Steam performance: 101 t/h



UNTERRADLBERG, since 2000, extension 2004 and 2006. Combustion heat performance: 80 MW
Steam performance: 101 t/h



HEXHAM, since November 2007
Combustion heat performance: 50 MW
12 MW thermal oil and 38 MW hot gas current



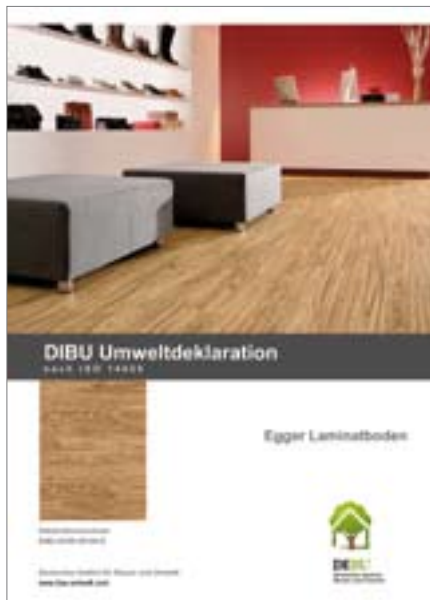
RION, since September 2008.
Combustion heat performance: 50 MW
12 MW thermal oil and 38 MW hot gas current

EUROLIGHT® lightweight boards which thanks to their core layer made of cardboard honeycomb consume substantially less wood during production, as well as our Direct Print Laminate Flooring DPR®, where the decor is directly printed onto the board.

The topic of the environment is however also gaining importance within the scope of the European standardisation, especially in relation to sustainable

construction. Fundamental requirements for the evaluation of buildings under the aspect of sustainability are environmental product declarations (EPDs). “We are currently developing EPDs with the Deutschen Institut für Bauen und Umwelt (DIFBU, Germany Institute for Construction and Environment) in accordance with the requirements of the international standard ISO 14025. They encompass all the environmental information about the product in one document, whose com-

pleteness and correctness is verified and confirmed through an independent expert committee. The EPD contains an extensive description of the product and the manufacturing process, the ecological balance as well as certifications that are necessary for the use of the product. EPDs are the basis for the sustainability evaluation of buildings over the life cycle”, explains Jana Sprockhoff, head of product management construction and responsible for the certification process at EGGER.



In the EGGER Group we already have EPDs for OSB boards, as well as laminate floorings (DPL and DPR®). In the current business year we will have EPD certificates prepared for all the significant EGGER products, for example for EUROLIGHT®, MDF boards as well as coated and uncoated chipboards. At the BAU 2009 the EPD certificates for our products will be a special topic. ■



Institut Bauen und Umwelt e.V.

Example of an EPD Certificate for Laminate Flooring