

Action of thermal radiation on wood-based materials in buildings.



The aim of the project is to examine the behavior of wood based products coated with fire retardant preparations exposed to radiant heat. In the method that uses constant source of radiant heat, it can be determine the speed of the carbonization and the temperature distribution on the surface of the samples during the test. In addition, specific fire parameters such as the temperature on the surface, the degree of the burn area and the loss of mass is evaluated. The tested formulation is solvent born and water born products.

Title of project: Action of thermal radiation on wood-based materials used in buildings protected with fire retardants.

Support Program: Individual project – Poznan University of Life Science

Duration: 2010 – 2014

Partner: Provincial Headquarters of State Fire Service in Poznan

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