

Contract No: 05DSVEPRO-43

Title: Innovative and Competitive Chemical Technology for Producing Fire Resistant Wood-Based Products

Duration: 09/06/2006 - 31/12/2007

Abstract

The main objective of project 05DSVEPRO-43 was the development of chemical substances-mixtures able to impart fire-resistance properties to wood-based panels at no sacrifice of the reactivity of the adhesive resins used for the bonding of the wood-based panels, as well as the development of new resin systems that better correspond to the chemistry of such additives.

Furthermore, the technology for the application of the above chemical products-additives in the production of particleboards and fibreboards (MDF) would be developed.

In this project, CHIMAR aimed to solve technical problems faced by the wood panel industry in regard to the production of fire resistant panels and led to the cost competitive production of fire resistant panel grades via cost reduction and higher productivity. The project results helped to increase the amounts of fire resistant panels produced and offered to the market, with a direct positive effect on limiting the fire incidents in houses and buildings where these panels are used.