

**Contract No:** 05 PAV 201

**Title:** Development of improved aminoplastic resins hybrids and substantiation of their adhesive mechanism with wood via up-to-date analytical methods

**Duration:** 01/07/2006 - 31/12/2007

**Abstract**

In this project, CHIMAR developed a new synthesis technology for UF resins with low molar ratio as well as new resins' hybrids, in order to increase the cross-linking density of the final polymer and improve the adhesive performance of the resins. Among the targets of the project were the substantial improvement of the panels' physicochemical properties, the increase of their resistance to hydrolysis, the lowering of the formaldehyde emissions as well as the increase of panel production productivity.