Abstract of the Thesis

Novel latex based and solution based adhesives were prepared and evaluated for wood to wood bonding. These adhesives were found to be superior to commercial adhesives like fevicol and dentrite. Novel adhesives were prepared for leather to leather bonding and these were also found to be more efficient than the polyurethane type and dentrite adhesives used commercially. A novel strip adhesive system employing very low amount of solvents was tried successfully for rubber-to-metal bonding. Further, a novel adhesive system was investigated successfully for bonding copper coated bead wire and steel cord to rubber by modifying it with chloroprene rubber.